

STIC Database Tracking Number: 96021

To: Mary Schmidt

Location: CM1-11E12

Art Unit: 1635

Monday, June 16, 2003

Case Serial Number: 09/532001

From: Beverly Shears

Location: Biotech-Chem Library

CM1-1E05

Phone: 308-4994

beverly.shears@uspto.gov

Search Notes			
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STIC-Biotech/ChemLib

4602

From:

Hutzell, Paula

Sent:

Friday, June 06, 2003 12:01 PM

To:

Schmidt, Mary; STIC-Biotech/ChemLib; Chan, Christina

Subject:

RE: RUSH sequence search request 09/532,001

approved

----Original Message----Fr m:

Schmidt, Mary

Sent:

Friday, June 06, 2003 11:59 AM

To:

Hutzell, Paula

Subject:

FW: RUSH sequence search request 09/532,001

Hi, according to Christine's out of office message, we should send rush requests to you...

----Original Message----

Fr m:

Schmidt, Mary

Sent:

Friday, June 06, 2003 11:57 AM

T:

Chan, Christina

Subject:

FW: RUSH sequence search request 09/532,001

Hi, do you submit sequence search requests? Jeff and Jim are out of the office. If not, could you let me know who else does?

thanks. Melissa

----Original Message-----

Fr m:

Schmidt, Mary

Sent:

Friday, June 06, 2003 11:56 AM

T :

Martinell, James

Subject:

FW: RUSH sequence search request 09/532,001

Hi, Jeff is out today, if you are in, could you submit?

thanks, Melissa

----Original Message----

Fr m:

Schmidt, Mary

Sent:

Friday, June 06, 2003 11:55 AM

To:

Fredman, Jeffrey

Subject:

RUSH sequence search request 09/532,001

I missed a sequence in the claims and this is a two month amended.

Please search SEQ ID NO:1 in nucleic acid databases. Please search both SEQ ID NO:1 as well as the complement sequence. Please size limit the results to less than 50 bases (so that in the results only hits less than 50 bases will appear).

Thanks,

Melissa Schmidt

11d05

mailboxes 11e12

	TYPE OF SEARCH:	VENDOR/COST (where applic.)
Searcher:	NA Sequences:	STN:
Phone:	AA Sequences:	DIALOG:
_ocation:	Structures:	Questel/Orbit:
Date Picked Up:	Bibliographic:	DRLink:
Date Completed:	Litigation:	Lexis/Nexis:
Searcher Prep/Review:	Full text:	Sequence Sys.:
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TYPE OF SEARCH:
NA Sequences:
AA Sequences:
Structures:
Bibliographic:
Litigation:
Full text:
Patent Family:
Other

VENDOR/COST (where applic.)
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DIALOG:
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Sequence Sys.:
WWW/Internet:
Other (specify):

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SEARCH REQUEST FORM

Requestor's Name:	. ·		Serial Number	:						
Date:		Phone:	· · · · · · · · · · · · · · · · · · ·	Art I	Jnit:					
Search Topic: Please write a detailed state terms that may have a spec please attach a copy of the	ial meaning. Gi	ve examples or relev	vent citations, autho	rs, keywords,	etc., if known. For	. Define any sequences,				
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REFERENCE
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     ANSWER 1 OF 1 HCAPLUS COPYRIGHT 2003 ACS
                           1998:682556 HCAPLUS
ACCESSION NUMBER:
                           129:301741
DOCUMENT NUMBER:
                           Production of functional proteins: balance of
TITLE:
                           shear stress and gravity
                           Goodwin, Thomas John; Hammond, Timothy Grant;
INVENTOR(S):
                           Kaysen, James Howard
                           The United States of America as Represented by
PATENT ASSIGNEE(S):
                           the Administrator of the National Aeronautics
                           and Space Administration, USA; Administrators of
                           the Tulane Education Fund
                           PCT Int. Appl., 56 pp.
SOURCE:
                           CODEN: PIXXD2
DOCUMENT TYPE:
                           Patent
                           English
LANGUAGE:
FAMILY ACC. NUM. COUNT:
PATENT INFORMATION:
                                              APPLICATION NO.
                                                                 DATE
                       KIND DATE
     PATENT NO.
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                                              WO 1998-US6826
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     WO 9845468
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                              19981015
         W: AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, CA, CH, CN, CU, CZ,
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PRIORITY APPLN. INFO .:
                                           US 1997-43205P
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Searcher: Shears 308-4994

The present invention provides a method for prodn. of functional

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09/532001

proteins, including hormones, by renal cells in a 3-dimensional co-culture process responsive to shear stress using a rotating wall vessel. Natural mixt. of renal cells expresses the enzyme 1.alpha.-hydroxylase, which can be used to generate the active form of vitamin D - 1,25-diOH vitamin D3. The fibroblast cultures and co-culture of renal cortical cells express the gene for erythropoietin and secrete erythropoietin into the culture supernatant. Other shear stress response genes are also modulated by shear stress, such as toxin receptors megalin and cubulin (gp280). Also provided is a method of treating in-need individual with the functional proteins produced in a 3-dimensional co-culture process responsive to shear stress using a rotating wall vessel.

IT **214357-65-0**

RL: BUU (Biological use, unclassified); BIOL (Biological study); USES (Uses)

(prodn. of functional proteins: balance of shear stress and gravity)

REFERENCE COUNT:

THERE ARE 7 CITED REFERENCES AVAILABLE FOR THIS RECORD. ALL CITATIONS AVAILABLE IN THE RE FORMAT

FILE 'HOME' ENTERED AT 09:52:44 ON 16 JUN 2003

earcher: Shears 308-4994

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GENERAL INFORMATION:
APPLICANT: Goodwi
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Best Local (
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                                                                                                                                                                                                                                        TELEFAX: (281)244-8452 INFORMATION FOR SEQ ID NO:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    HYPOTHETICAL: no
ANTI-SENSE: Yes
FRAGMENT TYPE:
ORIGINAL SOURCE:
IMMEDIATE SOURCE:
POSITION IN GENOME:
                                                                                                                                                                                                                                                                                  NAME: James M. Cate
REGISTRATION NUMBER: 25,181
REFERENCE/DOCKET NUMBER: MSC
TELECOMMUNICATION INFORMATION:
                                                                                                                     TOPOLOGY: linear
MOLECULE TYPE:
DESCRIPTION: cDNA to mRNA
                                                                                                                                                                                                       SEQUENCE CHARACTERISTICS:
LENGTH: 22 bp
                                                                                                                                                                                                                                                                                                                                                   APPLICATION NUMBER: 60/0 FILING DATE: April 8, 19 ATTORNEY/AGENT INFORMATION:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                ZIP: 77058-3696
COMPUTER READABLE FORM:
MEDIUM TYPE: 1.44 Mb floppy disk
                                                             FRAGMENT TYPE:
ORIGINAL SOURCE:
                                                                                            HYPOTHETICAL: n
ANTI-SENSE: yes
                                                                                                                                                                                                                                                                                                                                                                                                    PRIOR APPLICATION DATA:
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                  FEATURE:
                            IMMEDIATE SOURCE:
PUBLICATION INFORMATION:
                                                                                                                                                                                                                                                                                                                                                                                                                     APPLICATION NUMBER: US/09/
FILING DATE: April 7, 1998
CLASSIFICATION: 435
                                                                                                                                                                       STRANDEDNESS:
                                                                                                                                                                                                                                                                      TELEPHONE:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  OPERATING SYSTEM: Windows 95 SOFTWARE: Microsoft Word for Windows
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    COMPUTER:
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                CITY: Houston
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  ADDRESSEE:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     DESCRIPTION: cDNA to mRNA
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          Similarity
                                                                                                                                                                                         nucleic acid
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             Application US/09056363
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   Texas
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               E: James M. Cate, NASA Johnson Space Center 2101 NASA Road 1, Mail code: HA
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  USA
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               Goodwin et al.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             Conservative
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         linear
                                                                                                                                                                                                                                                                      (281)483-1001
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                                                                                                                                                                       single-stranded
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Balance of Shear Stress and Gravity
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          100.0%; Score 22; DB 14; Length 22; 100.0%; Pred. No. 0.36;
                                                                                                                                                                                                                                                                                         : 25,181
MSC-22859-1
                                                                                                                                                                                                                                                                                                                                                                      60/043,205
8, 1997
                                                                                                                                                                                                                                                                                                                                                                                                                                                    us/09/056,363
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; PUBLICATION INFORMATION: ; SEQUENCE DESCRIPTION: SEQ ID NO: US-09-532-001-1
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US-09-532-001-1
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                                                               Query Match
Best Local Similarity
Matches 22; Conserv
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                                                                                                                                                                                                   ANTI-SENSE: yes
FRAGMENT TYPE: <Unknown>
ORIGINAL SOURCE:
IMMEDIATE SOURCE:
POSITION IN GENOME:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/09/532,001
FILING DATE: 21-Mar-2000
CLASSIFICATION: <Unknown>
PRIOR APPLICATION DATA:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      ZIP: 77058-3696
COMPUTER READABLE FORM:
NEDIUM TYPE: 1.44 Mb floppy disk
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         CORRESPONDENCE ADDRESS:
ADDRESSEE: James M. Cate,
STREET: 2101 NASA Road 1,
                                                                                                                                                                                                                                                                                        HYPOTHETICAL:
                                                                                                                                                                                                                                                                                                                        TOPOLOGY: linear MOLECULE TYPE: <Unknown>
                                                                                                                                                                                                                                                                                                                                                                                                            SEQUENCE CHARACTERISTICS:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                               TELECOMMUNICATION INFORMATION:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   ATTORNEY/AGENT INFORMATION:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 NUMBER OF SEQUENCES:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  TITLE OF INVENTION:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  APPLICANT: Goodwin et al.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       22 CTGAGACCGATATCGGTCTCAG 1
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1 CTGAGACCGATATCGGTCTCAG 22
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                     CTGAGACCGATATCGGTCTCAG 22
                                                                                                                                                                                                                                                                                                                                                     LENGTH: 22 bp
TYPE: nucleic acid
STRANDEDNESS: single-stranded
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 REGISTRATION NUMBER: 25,181
REFERENCE/DOCKET NUMBER: MSC-22859-1
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               APPLICATION NUMBER: 09/056,363
FILING DATE: April 7, 1998
APPLICATION NUMBER: 60/043,205
FILING DATE: April 8, 1997
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      COMPUTER: PC
OPERATING SYSTEM: Windows 95
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COUNTRY: USA
                                                                                                                                                                                                                                                                                                          DESCRIPTION: cDNA to mRNA
                                                                                                                                                                                                                                                                                                                                                                                                                                             TELEFAX:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               NAME: James M. Cate
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        SOFTWARE: Microsoft Word for Windows
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               CITY: Houston
                                                                                                                                                                                                                                                                                                                                                                                                                                            TELEPHONE: (281)483-1001
TELEFAX: (281)244-8452
                                                                   Conservative
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100.0%; Pred. No. 0.36;
active 0; Mismatches
                                                                                 100.0%; Score 22;
100.0%; Pred. No.
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Balance of
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                                                                 Mismatches
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Mail code: HA
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Shear Stress and Gravit
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                                                                                                 DB 20;
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                                                                                                                        Sequence 245934, App
GENERAL INFORMATION:
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GENERAL INFORMATION:
APPLICANT: Goodwin et al.
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              Query Match
APPLICANT: Mirtman, Michael TITLE OF INVENTION: Methods of Genetic Analysis FILE REFERENCE: 3115.1
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     TELEFAX: (281)244-8452
INFORMATION FOR SEQ ID NO: 1
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MEDIUM TYPE: 1.44 Mb floppy disk
COMPUTER: PC
OPERATING SYSTEM: Windows 95
SOFTWARE: Microsoft Word for Windows
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/09/532,001
FILING DATE: 21-Mar-2000
CITATION THE PLANT OF THE PARTY OF THE PART
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FILING DATE: April 7, 1998
APPLICATION NUMBER: 60/043,205
FILING DATE: April 8, 1997
ATTORNEY/AGENT INFORMATION:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             NAME: James M. Cate
REGISTRATION NUMBER: 25,181
REFERENCE/DOCKET NUMBER: MSC-22859-1
TELECOMMUNICATION INFORMATION:
TELEPHONE: (281)483-1001
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 SEQUENCE
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              PUBLICATION INFORMATION: SEQ ID NO: 1:
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ORIGINAL SOURCE:
IMMEDIATE SOURCE:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                TOPOLOGY: linear MOLECULE TYPE: <Unknown>
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STATE: Texas
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    DESCRIPTION: cDNA to mRNA
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            STRANDEDNESS: single-stranded
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    ZIP: 77058-3696
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STREET: 2101 NASA Road 1, Mail code: HA
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         TYPE: nucleic acid
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      Conservative
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     CHARACTERISTICS:
                                                                                                                                                                    Application US/09956584
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Balance of Shear Stress and Gravity
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          Score 22; DB 20
Pred. No. 0.36;
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                                                    of Mus
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CURRENT APPLICATION NUMBER: US/60/234,017
CURRENT FILING DATE: 2000-09-20
NUMBER OF SEQ ID NOS: 605887
SOFTWARE: FastSEQ for Windows Version 4.0
SEQ ID NO 201611
LENGTH: 25
TYPE: DNA
ORGANISM: Mus musculus
PUBLICATION INFORMATION:
DATABASE ACCESSION NUMBER: GenBank AA823028
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US-09-956-584-245934/c
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                                                                                                                                                                                                                                                                                                                                                                   RESULT 7
US-60-234-017-201611
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  ; ORGANISM: Mus musculus US-09-956-584-245934
                                                                           US-60-234-017-201611
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           PRIOR APPLICATION NUMBER: 60/234,017
PRIOR FILING DATE: 2000-09-20
NUMBER OF SEQ ID NOS: 605887
SOFTWARE: Microarray Probe Sequence Listing Generator V 1.1
SEQ ID NO 245934
Query Match
Best Local Similarity
                                                                                                                                                                                                                                                                                                                                     GENERAL INFORMATION:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              Query Match 71.8%;
Best Local Similarity 89.5%;
Matches 17; Conservative
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GENERAL INFORMATION:
APPLICANT: Mittman, Michael
TITLE OF INVENTION: Methods of Genetic Analysis of Mus Musculus
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          SEQ ID NO 245934
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CURRENT APPLICATION NUMBER: US/09/956,584
CURRENT FILING DATE: 2001-09-19
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      PRIOR APPLICATION NUMBER: 60/234,017
PRIOR FILING DATE: 2000-09-20
NUMBER OF SEQ ID NOS: 605887
SOFTWARE: Microarray Probe Sequence Listing Generator V 1.1
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      CURRENT FILING DATE: 2001-0
                                                                                                                                                                                                                                                      TITLE OF INVENTION: Methods
TITLE OF INVENTION: musculus
FILE REFERENCE: 3115
                                                                                                                                                                                                                                                                                                       APPLICANT:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  LENGTH: 25
TYPE: DNA
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TYPE: DNA
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1 Similarity 89.5%;
17; Conservative
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             Conservative
                                                                                                                                                                                                                                                                        musculus
                          71.8%;
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           Score 15.8; DB 67;
Pred. No. 7.8e+02;
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Pred. No. 7.
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Pred. No. 7
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AGACCGATATCGGTCTCAG

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; TYPE: DNA
; ORCANISM: Mus musculus
; PUBLICATION INFORMATION:
; DATABASE ACCESSION NUMBER: GenBank AA823028
US-60-234-017-201611
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US-60-353-987-403951/c
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US-60-353-987-403951
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Best Local S
Matches 16
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CURRENT FILING DATE: 2002-02-01
NUMBER OF SEQ ID NOS: 997516
SOFTWARE: Microarray Probe Sequence Listing
SEQ ID NO 403951
                                                                                                                   Sequence 403951, Application US/60353987 GENERAL INFORMATION:
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CURRENT FILING DATE: 2000-09-20
NUMBER OF SEQ ID NOS: 605887
SOFTWARE: FastSEQ for Windows Version 4.
SEQ ID NO 201611
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APPLICANT: Affymetrix
TITLE OF INVENTION: M
TITLE OF INVENTION: M
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GENERAL INFORMATION:
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Matches
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               APPLICANT: Mittmann, Michael
TITLE OF INVENTION: Methods of Genetic Analysis
FILE REFERENCE: 3121
CURRENT APPLICATION NUMBER: US/60/353,987
CURRENT FILING DATE: 2002-02-01
NUMBER OF SEQ ID NOS: 997516
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 APPLICANT: Mittmann, Michael TITLE OF INVENTION: Methods of Genetic Analysis FILE REFERENCE: 3121
                                                                                                                                                                                                                                                                                                                                                                                           LENGTH: 25
TYPE: DNA
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16; Conserv
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88.9%;
Probe Sequence Listing Generator V 1.1
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89.5%;
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Pred. No. 2
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; ORGANISM: Rattus norvegicus
; PUBLICATION INFORMATION:
; DATABASE ACCESSION NUMBER: GenBank X92070
US-09-954-427-371667
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US-09-954-427-371667/c
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                                                    Query Match
Best Local S
Matches 17
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CURRENT FILING DATE: 2001-09-17
NUMBER OF SEQ ID NOS: 420907
SOFTWARE: FAST-SEQ for Windows Version 4.0
SEQ ID NO 371667
                                                                                                                                                                                                      NUMBER OF SEQ ID NOS: 420907
SOFTWARE: FastSEQ for Windows Version
SEQ ID NO 371667
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Best Local (
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GENERAL INFORMATION
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Best Local Similarity
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                                                                                                                                                                                                                                                                               TITLE OF INVENTION: Methods of Genetic Analysis of the TITLE OF INVENTION: Genome FILE REFERENCE: 3112
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PUBLICATION INFORMATION:
DATABASE ACCESSION NUMBER: GenBank X92070
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APPLICANT: Affymetrix, Inc.
TITLE OF INVENTION: Methods of Genetic Analysis
TITLE OF INVENTION: Genome
                                                                                                                                                                                                                                                 CURRENT APPLICATION NUMBER: US/09/954,427
CURRENT FILING DATE: 2001-09-17
                                                                                                                                                                                                                                                                                                                          APPLICANT: Mittmann
APPLICANT: Affymetrix,
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TYPE: DNA
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ORGANISM: Homo sapien
                                                                                                                                                                           TYPE: DNA
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17; Conserv
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CTGAGACCGGGGTCAGTCTCA
                       CTGAGACCGATATCGGTCTCA 21
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88.9%;
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                                                                     Score 14.6;
Pred. No. 3
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Pred. No. 3
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Pred. No. 2.7e+03;
                                                         Mismatches
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; TYPE: DNA
; ORGANISM: Rattus norvegicus
US-09-954-429A-18545
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; Sequence 18545, Application US/09954429A
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PRIOR FILING DATE: 2000-09-18

NUMBER OF SEQ ID NOS: 21305

SOFTWARE: Microarray Probe Sequence Listing Generator V 1.1

SEQ ID NO 18545
                                                                                                                                                                                Sequence 371667, App. GENERAL INFORMATION:
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GENERAL INFORMATION
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SOFTWARE: Microarray Probe Sequence Listing Generator V 1.1
SEQ ID NO 18545
LENGTH: 25
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Best Local
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                              FILE REFERENCE: 3112
CURRENT APPLICATION NUMBER: US/60/233,166
CURRENT FILLING DATE: 2000-10-24
NUMBER OF SEQ ID NOS: 420907
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                                                                                                     APPLICANT: Affymetrix, Inc.
TITLE OF INVENTION: Methods of Genetic Analysis
TITLE OF INVENTION: Genome
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NO 371667
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17; Conserv
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               FastSEQ for Windows Version 4.0
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Pred. No. 3.5e
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Pred. No. 3.5e
O; Mismatches
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                                                                                      ; ORGANISM: Rattus norvegicus
; PUBLICATION INFORMATION:
; DATABASE ACCESSION NUMBER: GenBank X92070
US-60-233-357-20470
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US-60-233-166-371667/c
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; PUBLICATION INFORMATION:
; DATABASE ACCESSION NUMBER: GenBank X92070
US-60-233-166-371667
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                         Query Match
Best Local Similarity
Matches 17; Conserv
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Best Local
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TITLE OF INVENTION: Genome
FILE REFEDENCE
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PUBLICATION INFORMATION:
DATABASE ACCESSION NUMBER: GenBank X92070
                                                                                                                                                                                                                                                    TITLE OF INVENTION: Methods of Genetic Analysis of Rat
TITLE OF INVENTION: Neurobiology
FILE REFERENCE: 3114
                                                                                                                                               EQ ID NO 20470
LENGTH: 25
TYPE: DNA
                                                                                                                                                                                           CURRENT APPLICATION NUMBER: US/60/233,357
CURRENT FILING DATE: 2000-10-24
NUMBER OF SEQ ID NOS: 21305
SOFTWARE: FastSEQ for Windows Version 4.0
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           LENGTH: 25
TYPE: DNA
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CURRENT FILING DATE: 2000-10-24
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17; Conserv
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   TGAGACCGATATCGGTCTCAG
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                                                                                                                                                                                                                                                                                                 Affymetrix,
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81.0%;
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Pred. No. 3.5e+03;
                                             Score 14.6;
Pred. No. 3
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Pred. No. 3
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RESULT 20
US-60-233-620-99732/c
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US-60-233-620-99732
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CURRENT FILING DATE: 2000-10-24
NUMBER OF SEQ ID NOS: 131820
SOFTWARE: FASTSEQ for Windows Version 4.0
SEQ ID NO 99732
LENGTH: 25
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APPLICANT: Affymetrix
TITLE OF INVENTION: N
TITLE OF INVENTION: N
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CURRENT FILING DATE: 2000-10-24
NUMBER OF SEQ ID NOS: 21305
SOFTWARE: FASTSEQ for Windows Version 4.0
SEQ ID NO 20470
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APPLICANT: Mittmann
APPLICANT: Mittmann
APPLICANT: Affymetrix, Inc.
TITLE OF INVENTION: Methods of G.
TITLE OF INVENTION: Neurobiology
                                                                                                                         Sequence 99732, Application US/60233620 GENERAL INFORMATION:
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Best Local
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Best Local (
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TITLE OF INVENTION: Methods of Genetic Analysis TITLE OF INVENTION: Arabidopsis thaliana FILE REFERENCE: 3116
CURRENT APPLICATION NUMBER: US/60/233,620
CURRENT FILING DATE: 2000-10-24
                                                                                                                                                                                                                                                                                                                                                                                        ORGANISM: Arabidopsis thaliana
PUBLICATION INFORMATION:
DATABASE ACCESSION NUMBER: GenBank AF069497
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ORGANISM: Rattus norvegicus
PUBLICATION INFORMATION:
DATABASE ACCESSION NUMBER: GenBank X92070
                                                                                      APPLICANT: Mittmann APPLICANT: Affymetri
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          FILE REFERENCE:
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                                                                                                                                                                                                                               l Similarity
17; Conserv
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17; Conserv
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FastSEQ for Windows Version 4.0
                                                                                      Affymetrix, Inc.
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81.0%;
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Pred. No. 3
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Pred. No. 3.5e+03;
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RESULT 22
US-09-956-584-216321/c
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                                                                                                                 ; ORGANISM: Mus musculus US-09-956-584-216321
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NUMBER OF SEQ ID NOS: 605887
SOFTWARE: Microarray Probe Sequence Listing Generator V 1.1
SEQ ID NO 216321
                                                                                                                                            NUMBER OF SEQ ID NOS: 605887

SOFTWARE: Microarray Probe Sequence Listing Generator V 1.1

SEQ ID NO 216321

LENGTH: 25

TYPE: DNA
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APPLICANT: Mittman, Michael
TITLE OF INVENTION: Methods
FILE REFERENCE: 3115.1
                                                        Matches
                                                                                    Query Match
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GENERAL INFORMATION:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                            Matches
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Matches 17; Conservat
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                                                     Best Local Similarity Matches 15; Conserv
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CURRENT FILING DATE: 2001-09-19
PRIOR APPLICATION NUMBER: 60/234,017
PRIOR FILING DATE: 2000-09-20
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SOFTWARE: FastSEQ for
                                                                                                                                                                                                                    PRIOR APPLICATION NUMBER: 60/234,017 PRIOR FILING DATE: 2000-09-20
                                                                                                                                                                                                                                                 CURRENT APPLICATION NUMBER: US/09/956,584
CURRENT FILING DATE: 2001-09-19
                                                                                                                                                                                                                                                                               APPLICANT: Mittman, Michael TITLE OF INVENTION: Methods of Genetic Analysis of Mus Musculus FILE REFERENCE: 3115.1
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PUBLICATION INFORMATION:
DATABASE ACCESSION NUMBER: GenBank AF069497
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GAGACCGATTTCGGTC
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                          GAGACCGATATCGGTC
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                                                       Conservative
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Pred. No. 3.5e
0; Mismatches
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                                                                     Score 14.4; DB 36
Pred. No. 4.4e+03;
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Pred. No. 4.4e+03;
                                                        Mismatches
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                                                                                   Length 25;
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                                                        Indels
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US-60-234-017-216691

Application US/60234017

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; TYPE: DNA
, ORGANISM: Mus musculus
; PUBLICATION INFORMATION:
; DATABASE ACCESSION NUMBER: GenBank AI789011
US-60-234-017-216691
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                                                                                                                                                                  RESULT 25
US-60-353-987-90477
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                                                                                                                           Sequence 90477, Appl GENERAL INFORMATION:
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CURRENT FILING DATE: 2000-09-20
NUMBER OF SEQ ID NOS: 605887
SOFTWARE: FASTSEQ for Windows Version 4.0
SEQ ID NO 216691
LENGTH: 25
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GENERAL INFORMATION
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SEQ ID NO 216691
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Best Local
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        APPLICANT: Mittmann, M
APPLICANT: Affymetrix, Inc.
TITLE OF INVENTION: Methods of Genetic Analysis of
TITLE OF INVENTION: musculus
               APPLICANT: Mittmann, Michael
TITLE OF INVENTION: Methods of Genetic Analysis
FILE REFERENCE: 3121
CURRENT APPLICATION NUMBER: US/60/353,987
CURRENT FILING DATE: 2002-02-01
NUMBER OF SEQ ID NOS: 997516
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       FILE REFERENCE: 3115
CURRENT APPLICATION NUMBER: US/60/234,017
CURRENT FILING DATE: 2000-09-20
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ORGANISM: Mus musculus
PUBLICATION INFORMATION:
DATABBASE ACCESSION NUMBER: GenBank AI789011
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TITLE OF INVENTION: Methods <
TITLE OF INVENTION: musculus
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SOFTWARE: Microarray Probe Sequence Listing Generator V 1.1
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Similarity 93.8%;
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Pred. No. 4.4e+03;
0; Mismatches 1;
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; SEQ ID NO 90477
; LENCTH: 25
; TYPE: DNA
; ORGANISM: Homo sapien
US-60-353-987-90477
RESULT 28
PCT-US99-10361-32/c
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; OTHER INFORMATION: synthetic RNA molecule
PCT-US99-10361-32
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PCT-US99-10361-32
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Best Local Similarity
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                                                                                                                                                                                                                                                                                  APPLICANT: ISIS Pharmaceuticals, Inc. et al.
TITLE OF INVENTION: Modulation Of Molecular Interaction Sites
FILE REFERENCE: IBIS-0144
CURRENT APPLICATION NUMBER: PCT/US99/10361
CURRENT FILING DATE: 1999-05-12
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CURRENT FILING DATE: 2002-02-01
NUMBER OF SEQ ID NOS: 997516
SOFTWARE: Microarray Probe Sequence Listing
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                                                                                                                                                                                                             LENGTH: 28
TYPE: RNA
ORGANISM: Artificial Sequence
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Pred. No. 5.7e+03;
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Pred. No. 5.7e+03
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Pred. No. 5
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Sequence 32, Application PC/TUS9910361 GENERAL INFORMATION:
APPLICANT: ISIS Pharmaceuticals, Inc.

et al.

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SEQ ID NO 30
LENGTH: 28
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Best Local
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LENGTH: 28
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CURRENT APPLICATION NUMBER: PCT/US99/10361
CURRENT FILING DATE: 1999-05-12
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                                                                                                                                                                                                                                                                                                                                                                                                                              TYPE: RNA
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APPLICATION NUMBER: US/09/310,735
FILING DATE: 1999-05-12
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    INVENTION:
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Sampath, ka.,
Swayze, Eric
Swayze, Eric
Than, Venkatraman
Steven
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                                                                                            Griffey, Richard
Crooke, Stanley T
                              Swayze, Eric
Mohan, Venkatraman
Hofstadler, Steven
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                                                                                                                             Ecker, David J
                                                                              Sampath, Ranga
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Crooke, Stanley T
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Modulation of Molecular Interaction Sites on RNA and
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Pred. No. 5
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Pred. No. 5.7e+03
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                              RESULT 32
US-09-310-735A-30/c
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US-09-310-735-30
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Sequence 30, Application US/09310735A GENERAL INFORMATION:
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SEQ ID NO 30
LENGTH: 28
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CURRENT FILING DATE: 1999-05-12
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CURRENT FILING DATE: 1999-05-12
PRIOR APPLICATION NUMBER: 09/076,404
PRIOR FILING DATE: 1998-05-12
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PRIOR FILING DATE: 1998-05-12
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                                                                                                                                                                                                                                                                             TYPE: RNA
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INVENTION: Modulation of Molecular Interaction Sites on RNA and
INVENTION: Other Biomolecules
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Mohan, Venkatraman
Hofstadler, Steven
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Crooke, Stanley
Sampath, Ranga
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                                                                                                                                                                    Score 14.2;
Pred. No. 5
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Pred. No. 5
                                                                                                                                                      Mismatches
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                                                                                                                                                                     .7e+03;
                                                                                                                                                                                    DB 17;
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APPLICANT: Ecker, APPLICANT: Griff

APPLICANT:

Griffey, Richard Crooke, Stanley

Richard

David J

Cructh, Ruc Sampath, Ruc Swayze, Eric Swayze, Venkatraman

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US-09-310-735C-30/c ; Sequence 30, Application US/09310735C ; GENERAL INFORMATION:
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US-09-310-735C-30
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US-09-310-735A-30
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                                                                                                                                                                                                                                                                                                                                                                                                        SEQ ID NO 30
LENGTH: 28
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Best Local Similarity
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CURRENT APPLICATION NUMBER: US/09/310,735A
CURRENT FILING DATE: 1999-05-12
PRIOR APPLICATION NUMBER: 09/076,404
PRIOR FILING DATE: 1998-05-12
PRIOR FILING DATE: 1998-05-12
APPLICANT: Ecker, David J
APPLICANT: Griffey, Richard
APPLICANT: Crooke, Stanley T
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SEQ ID NO 30

LENGTH: 28
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PRIOR FILING DATE: 1998-05-12
NUMBER OF SEQ ID NOS: 59
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    CURRENT APPLICATION NUMBER: US/09/310,735C CURRENT FILING DATE: 1999-05-12
                                                                                                                                                                                                                                                                                                                                                                                                                                            SOFTWARE: PatentIn Ver. 2.1
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     TITLE OF INVENTION: Modulation of Molecular Interaction Sites on RNA and TITLE OF INVENTION: Other Biomolecules
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                                                                                                                                                                                                                                                                                                                                  OTHER INFORMATION: Description of Artificial Sequence: Novel Sequence
                                                                                                                                                                                                                                                                                                                                                   FEATURE:
                                                                                                                                                                                                                                                                                                                                                                  ORGANISM: Artificial Sequence
                                                                                                                                                                                                                                                                                                                                                                                         TYPE: RNA
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        TYPE: RNA
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Swayze, Eric
Mohan, Venkatraman
Hofstadler, Steven
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Pred. No. 5.7e+03;
3; Mismatches 3;
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Pred. No. 5.7e+03;
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US-09-310-761-30/c

Sequence 30, GENERAL INFO

Application US/09310761

ENERAL INFORMATION: APPLICANT: Ecker,

Ecker, David J Griffey, Richard

RESULT 36

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                                                                                                                             , OTHER INFORMATION: Description of Artificial Sequence: Novel Sequence US-09-310-761-30
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US-09-310-761-30
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US-09-310-735C-30
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SEQ ID NO 30
LENGTH: 28
                                                              Query Match
Best Local S
Matches 13
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Best Local
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SEQ ID NO 30
LENGTH: 28
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CURRENT APPLICATION NUMBER: US/09/310,735C
CURRENT FILING DATE: 1999-05-12
PRIOR APPLICATION NUMBER: 09/076,404
PRIOR FILING DATE: 1998-05-12
                                                                                                                                                                                                                                                            NUMBER OF SEQ ID NOS:
                                                                                                                                                                                                                                                                             CURRENT APPLICATION NUMBER: US/09/310,761
CURRENT FILING DATE: 1999-05-12
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TITLE OF INVENTION: Mole
TITLE OF INVENTION: RNA
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ITTLE OF INVENTION: Other Biomolecules
                                                                                                                                                             TYPE: RNA ORGANISM: Artificial Sequence FEATURE:
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 GAGACCCAAAUCUGUCUCA 19
                              GAGACCGATATCGGTCTCA 21
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Hofstadler, Steven
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Griffey, Richard
Crooke, Stanley T
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                                                                             64.5%;
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                                                              Score 14.2; DB 17
Pred. No. 5.7e+03;
3; Mismatches 3
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Pred. No. 5.7e+03
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                                                                                              DB 17;
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CURRENT FILING DATE: 199-05-12
NUMBER OF SEQ ID NOS: 359
SOFTWARE: Patentin Ver. 2.1
SEQ ID NO 30
LENGTH: 28
Type:
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US-09-310-762-30/c
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US-09-310-762-30
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Best Local S
Matches 13
                                                 Sequence 30, Application US/09310762 GENERAL INFORMATION:
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CURRENT APPLICATION NUMBER: US/09/310,761
CURRENT FILING DATE: 199-05-12
NUMBER OF SEQ ID NOS: 359
SOFTWARE: Patentin Ver. 2.1
SEQ ID NO 30
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APPLICANT:
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                  APPLICANT: APPLICANT:
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TITLE OF INVENTION: Molecular Interaction Sites Of Interleukin-4 RNA and
TITLE OF INVENTION: Methods Of Modulating The Same
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                APPLICANT: McNeil, John
TITLE OF INVENTION: Molecular Interaction Sites Of Ornithine Decarboxylase
TITLE OF INVENTION: RNA And Methods Of Modulating The Same
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                                                                                                                                                                                                                                                                                                                      TYPE: RNA
ORGANISM: Artificial Sequence
                                                                                                                                                                                                                                                                                                          FEATURE:
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ORGANISM: Artificial Sequence
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13; Conserv
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16; Conserv
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Crooke, Stanley T
Sampath, Ranga
Swayze, Eric
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Mohan, Venkatraman
Hofstadler, Steven
Ecker, David J
Griffey, Richard
Crooke, Stanley T
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Sampath, Ranga
Mohan, Venkatraman
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Pred. No. 5.7e+03;
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Pred. No. 5.7e+03;
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CURRENT APPLICATION NUMBER: US/09/310,762A
CURRENT FILING DATE: 2001-11-07
NUMBER OF SEQ ID NOS: 108
SOFTWARE: PatentIn Ver. 2.1
SEQ ID NO 30
LENGTH: 28
TYPE: RNA
ORGANISM: Artificial Sequence
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                                                                                                                                        ; FEATURE:
; OTHER INFORMATION: Description
US-09-310-762A-30
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US-09-310-762A-30
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                                                                                  Query Match
Best Local &
                                                                      Matches
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Best Local (
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APPLICANT: Swayze, Eric
APPLICANT: Mohan, Venkatraman
APPLICANT: Mohan, Venkatraman
APPLICANT: Hofstadler, Steven
APPLICANT: McNeil, John
TITLE OF INVENTION: Molecular Interaction Sites Of Interleukin-4 RNA and
TITLE OF INVENTION: Methods Of Modulating The Same
FILE REFERENCE: IBIS0172
FILE REFERENCE: IBIS0172
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CURRENT FILING DATE: 1999-05-12
NUMBER OF SEQ ID NOS: 359
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TITLE OF INVENTION: Molecular Interaction Sites Of Interleukin-4 RNA and
TITLE OF INVENTION: Methods Of Modulating The Same
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Mohan, Venkatraman
Hofstadler, Steven
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Crooke, Stanley '
Sampath, Ranga
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, Sequence 30, Application US/09310762A
; GENERAL INFORMATION:
, APPLICANT: Ecker, David J
, APPLICANT: Griffey, Richard

Sampath, Ranga

Griffey, Richard Crooke, Stanley

RESULT 40

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APPLICANT: Swayze, Eric
APPLICANT: Mohan, Venkatraman
APPLICANT: Hofstadler, Steven
APPLICANT: Hofstadler, Steven
APPLICANT: McNeil, John
TITLE OF INVENTION: Molecular Interaction Sites Of Interleukin-4 RNA and
TITLE OF INVENTION: Methods of Modulating The Same
FILE REFERENCE: IBISO172
CURRENT APPLICATION NUMBER: US/09/310,762A
CURRENT FILING DATE: 2001-11-07
NUMBER OF SEQ ID NOS: 108
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OTHER INFORMATION: Description of Artificial Sequence: Novel Sequence
US-09-310-762A-30

Query Match
Best Local Similarity 84.2%; Pred. No. 5.7e+03;
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US-10-355-577-403951/c

Sequence 403951, Application US/1035577

GENERAL INFORMATION:

APPLICANT: Mittmann, Michael

TITLE OF INVENTION: Methods of Genetic Analysis of Probes: HG-U133

FILE REFERENCE: 3121

CURRENT APPLICATION NUMBER: US/10/355,577

CURRENT FILING DATE: 2003-01-31

NUMBER OF SEQ ID NOS: 997516

SOFTWARE: Microarray Probe Sequence Listing Generator V 1.1

SEQ ID NO 403951
                                                                                                                                                                                                                                                                                                                                                                                                                                                                     RESULT 1
US-10-355-577-403951
                                                                                                                                                                                                                                                                               NUMBER OF SEQ ID NOS: 997516
SOFTWARE: Microarray Probe Sequence Listing Generator V 1.1
SEQ ID NO 403951
LENGTH: 25
TYPE: DNA
ORGANISM: Homo sapien
$-10-355-577-403951
                                                                                                                                                                                                                                                                                                                                                                                                      Sequence 403951, Application US/10355577
GENERAL INFORMATION:
APPLICANT: Mittmann, Michael
TITLE OF INVENTION: Methods of Genetic Analysis of Probes: HG-U133
FILE REFERENCE: 3121
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 LENGTH:
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16; Conser
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US-10-355-577-178232

US-10-355-577-178232

US-10-355-577-192183

US-10-355-577-192183

US-10-355-577-204937

US-10-355-577-204937
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RESULT 5
US-60-427-836-181614
; Sequence 181614, Application US/60427836
; GENERAL INFORMATION:
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US-09-954-445A-99732
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US-09-954-445A-99732/c
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                                                                                                                                                                                                                        Sequence 99732, Application US/09954445A
GENERAL INFORMATION:
APPLICANT: Mittmann, Michael
TITLE OF INVENTION: Methods of Genetic Analysis of Arabidopsis Thaliana
FILE REFERENCE: 3116.1
CURRENT APPLICATION NUMBER: US/09/954,445A
CURRENT FILING DATE: 2000-09-17
PRIOR APPLICATION NUMBER: 60/233,620
PRIOR APPLICATION NUMBER: 60/233,620
PRIOR FILING DATE: 2000-09-18
NUMBER OF SEQ ID NOS: 131820
SOFTWARE: Microarray Probe Sequence Listing Generator V 1.1
SEQ ID NO 99732
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PRIOR FILING DATE: 2000-09-18
NUMBER OF SEQ ID NOS: 131820
SOFTWARE: Microarray Probe Sequence Listing
SEQ ID NO 99732
LENGTH: 25
TYPE: DNA
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APPLICANT: Mittmann, Michael
TITLE OF INVENTION: Methods of Genetic Analysis of Arabidopsis Thaliana
FILE REFERENCE: 3116.1
CURRENT APPLICATION NUMBER: US/09/954,445A
CURRENT FILLING DATE: 2000-09-17
CURRENT FILLING DATE: 2000-09-17
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TYPE: DNA
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17; Conservat
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Pred. No. 1
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Pred. No. 1
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Best Loc Matches

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; LENGTH: 25
; TYPE: DNA
; ORGANISM: Rattus norvegicus
US-60-427-836-181614
                                                                                                                                                                                                                                                                                                                                                        US-10-355-577-90477
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CURRENT FILING DATE: 2002-11-20
NUMBER OF SEQ ID NOS: 699466
SOFTWARE: Microarray Probe Sequence Listing Generator V 1.1
SEQ ID NO 181614
                                                                                                                                                                       CURRENT APPLICATION NUMBER: US/10/355,577
CURRENT FILING DATE: 2003-01-31
NUMBER OF SEQ ID NOS: 997516
SOFTWARE: Microarray Probe Sequence Listing Generator V 1.1
SEQ ID NO 90477
LENGTH: 25
                                                               Matches
                                                                              Query Match
Best Local Similarity
                                                                                                                                                                                                                                                                                                                      Sequence 90477, Application US/10355577 GENERAL INFORMATION:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  Query Match
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NUMBER OF SEQ ID NOS: 699466
SOFTWARE: Microarray Probe Sequence Listing Generator V
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TITLE OF INVENTION: Methods of Genetic Analysis of
FILE REFERENCE: 3527
                                                                                                                                                                                                                                                                       APPLICANT: Mittmann, Michael
TITLE OF INVENTION: Methods of Genetic Analysis of Probes: HG-U133
FILE REFERENCE: 3121
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  APPLICANT: Xue Mei Zhou
TITLE OF INVENTION: Methods
FILE REFERENCE: 3527
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CURRENT FILING DATE: 2002-11-20
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                                                                             Score 14.2; DB 9;
Pred. No. 2.9e+03;
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Pred. No. 1.
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Pred. No. 1.8e+03;
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US-09-660-222-15526
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SOFTWARE: Microarray Probe Sequence Listing SEQ ID NO 90477
LENGTH: 25
TYPE: DNA ORCANIES
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           PRIOR APPLICATION NUMBER: 60/164,973
PRIOR FILING DATE: 1999-11-11
NUMBER OF SEQ ID NOS: 140981
SOFTWARE: FastSEQ for Windows Version 4.0
SEQ ID NO 15526
LENGTH: 25
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Best Local
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FILE REFERENCE: 3102.1
CURRENT APPLICATION NUMBER: US/09/660,222
CURRENT FILING DATE: 2000-09-12
PRIOR APPLICATION NUMBER: 60/164,973
PRIOR FILING DATE: 1999-11-11
NUMBER OF SEQ ID NOS: 140981
SOFTWARE: FastSEQ for Windows Version 4.0
                                                                                                                APPLICANT: Mittmann et al.
APPLICANT: Affymetrix, Inc.
TITLE OF INVENTION: Methods of Genetic Analysis
                                                                                                                                                                                                                                                                                                                                                                                                                             ORGANISM: Homo sapiens
PUBLICATION INFORMATION:
DATABASE ACCESSION NUMBER: GenBank D87073
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CURRENT APPLICATION NUMBER: US/09/660,222
CURRENT FILING DATE: 2000-09-12
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APPLICANT: Affymetrix, Inc.
TITLE OF INVENTION: Methods of Genetic Analysis of Human
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                TYPE: DNA
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Similarity 84.2%;
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Pred. No.
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Pred. No. 2.9e+03;
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APPLICANT: Mittmann et al.

APPLICANT: Affymetrix, Inc.

ITITLE OF INVENTION: Methods of Genetic Analysis of Human

FILE REFERENCE: 3102.1

CURRENT APPLICATION NUMBER: US/09/660,222

CURRENT FILING DATE: 2000-09-12

PRIOR APPLICATION NUMBER: 60/164,973

PRIOR APPLICATION NUMBER: 60/164,973

PRIOR FILING DATE: 1999-11-11

NUMBER OF SEQ ID NOS: 140981

SOFTWARE: FASTSEQ for Windows Version 4.0

SEQ ID NO 74211

LENGTH: 25
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ORGANISM: Homo Sapiens
: PUBLICATION INFORMATION:
: DATABASE ACCESSION NUMBER: GenBank U00951
US-09-660-222-74211
                                                                                        ; TYPE: DNA
GRANISM: HOMO Sapiens
; PUBLICATION INFORMATION:
; DATABASE ACCESSION NUMBER: GenBank U00951
US-09-660-222-74211
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CURRENT FILING DATE: 2000-09-12
PRIOR APPLICATION NUMBER: 60/164,973
PRIOR FILING DATE: 1999-11-11
NUMBER OF SEQ ID NOS: 140981
SOFTWARE: F38tSEQ for Windows Version 4.0
SEQ ID NO 74211
LENGTH: 25
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Best Local Similarity
Matches 17; Conserv
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APPLICANT: Affymetrix, Inc.
TITLE OF INVENTION: Methods of Genetic Analysis of Human
FILE REFERENCE: 3102.1
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ORGANISM: Homo sapiens
PUBLICATION INFORMATION:
DATABASE ACCESSION NUMBER: GenBank D87073
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            ch 63.6%; Score 14; DB 6; Length 25; Similarity 77.3%; Pred. No. 3.6e+03; 17; Conservative 0; Mismatches 5; Indels
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100.0%; Pred. No. 3.6e+03;
tive 0; Mismatches 0;
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Pred. No. 3
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US-10-098-263B-70455, Application US/10098263B
, Sequence 70455, Application US/10098263B
; GENERAL INFORMATION:
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Matches :
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          APPLICANT: Mictman, Michael
TITLE OF INVENTION: Human Microarray
FILE REFERENCE: 3118.1
CURRENT APPLICATION NUMBER: US/10/098,263B
CURRENT FILING DATE: 2003-01-08
PRIOR APPLICATION NUMBER: 60/276,759
PRIOR FILING DATE: 2001-03-16
NUMBER OF SEQ ID NOS: 131066
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RESULT 14
US-10-098-263B-30445/c
US-10-098-263B-30445, Application US/10098263B
; GENERAL INFORMATION:
                                                                                                                                                LENGTH: 25
; TYPE: DNA
; ORGANISM: Homo sapien
US-10-098-263B-30445
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US-10-098-263B-30445
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; TYPE: DNA
; ORGANISM: Homo sapien
US-10-098-263B-30445
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GENERAL INFORMATION:
APPLICANT: Mittman, Michael
TITLE OF INVENTION: Human Microarray
FILE REFERENCE: 3118.1
                                                                                                                                                                                                                        NUMBER OF SEQ ID NOS: 131066
SOFTWARE: Microarray Probe Sequence Listing Generator V 1.1
SEQ ID NO 30445
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SOFTWARE: Microarray Probe Sequence Listing Generator V 1.1
SEQ ID NO 30445
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Best Local Similarity
Matches 17; Conservat
                                                                                                                                                                                                                                                                                 CURRENT APPLICATION NUMBER: US/10/098,263B
CURRENT FILING DATE: 2003-01-08
PRIOR APPLICATION NUMBER: 60/276,759
PRIOR FILING DATE: 2001-03-16
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TITLE OF INVENTION: Human Microarray
FILE REFERENCE: 3118.1
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CURRENT FILING DATE: 2003-01-08
PRIOR APPLICATION NUMBER: 60/276,759
PRIOR FILING DATE: 2001-03-16
                                                                       al Similarity
17; Conserv
                         1 CTGAGACCGATATCGGTCTCAG 22
CTGAGACAAATATCGGTAGAAG 3
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Pred. No. 3.
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RESULT 18
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; ORGANISM: Homo sapien
US-10-098-263B-70455
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                                                                                                                                     Query Match
Best Local
                                                                                                                                                                                                                                                    NUMBER OF SEQ ID NOS: 131066
SOFTWARE: Microarray Probe Sequence Listing Generator V 1.1
SEQ ID NO 87625
                                                                                                                                                                                                                                                                                                                                                                                                                             Sequence 87625, Application US/10098263B GENERAL INFORMATION:
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LENGTH: 25
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CURRENT APPLICATION NUMBER: US/10/098,263B
CURRENT FILING DATE: 2003-01-08
PRIOR APPLICATION NUMBER: 60/276,759
PRIOR FILING DATE: 2001-03-16
                                                                                                                                                                                                                                                                                                         CURRENT APPLICATION NUMBER: US/10/098,263B
CURRENT FILING DATE: 2003-01-08
PRIOR APPLICATION NUMBER: 60/276,759
PRIOR FILING DATE: 2001-03-16
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SOFTWARE: Microarray Probe Sequence Listing Generator V 1.1
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TITLE OF INVENTION: Human Microarray
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                                                   CTGATACCAATATGAGTCTCCG 23
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Pred. No. 3.
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; TYPE: DNA
; ORGANISM: Homo sapien
US-10-098-263B-105385
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US-10-098-263B-105385
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                                                          CURRENT APPLICATION NUMBER: US/10/098,263B
CURRENT FILING DATE: 2003-01-08
PRIOR APPLICATION NUMBER: 60/276,759
PRIOR FILING DATE: 2001-03-16
NUMBER OF SEQ ID NOS: 131066
SOFTWARE: Microarray Probe Sequence Listing
SEQ ID NO 105385
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LENGTH: 25
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GENERAL INFORMATION:
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GENERAL INFORMATION:
APPLICANT: Mittman, Michael
TITLE OF INVENTION: Human Microarray
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SOFTWARE: Microarray Probe Se
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PRIOR FILING DATE: 2001-03-16
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CURRENT APPLICATION NUMBER: US/10/098,263B
CURRENT FILING DATE: 2003-01-08
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SOFTWARE: Microarray Probe Se
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al Similarity 77.3%;
17; Conservation
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RESULT 22
US-10-355-577-316225/c
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US-10-355-577-576645
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; ORGANISM: Homo sapien
US-10-355-577-316225
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SOFTWARE: Microarray Probe Sequence Listing SEQ ID NO 316225
LENGTH: 25
Sequence 576645, Application US/1035577

GENERAL INFORMATION:
APPLICANT: Mittmann, Michael
TITLE OF INVENTION: Methods of Genetic Analysis of Probes: FILE REFERENCE: 3121
CURRENT APPLICATION NUMBER: US/10/355,577
CURRENT FILING DATE: 2003-01-31
NUMBER OF SEQ ID NOS: 997516
SOFTWARE: Microarray Probe Sequence Listing Generator V 1.1
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Best Local S
Matches 14
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TITLE OF INVENTION: Methods of Genetic Analysis of Probes: HG-U133
FILE REFERENCE: 3121
CURRENT APPLICATION NUMBER: US/10/355,577
CURRENT FILING DATE: 2003-01-31
NUMBER OF SQ ID NOS: 997516
SOFTWARE: Microarray Probe Sequence Listing Generator V 1.1
SEQ ID NO 316225
LENGTH: 25
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ORGANISM: Homo sapien
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TITLE OF INVENTION: Methods of Genetic Analysis of Probes: HG-Ul33
FILE REFERENCE: 3121
CURRENT APPLICATION NUMBER: US/10/355,577
CURRENT FILING DATE: 2003-01-31
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Local Similarity 100.0%; Pred. No. 3.6e+03;
les 14; Conservative 0; Mismatches 0;
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100.0%; Pred. No. 3.6e+03;
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CURRENT FILING DATE: 2003-01-31
NUMBER OF SEQ ID NOS: 997516
SOPTWARE: Microarray Probe Sequence Listing
SEQ ID NO 576645
LENGTH: 25
TYPE: DNA
ORGANISM: Homo sapien
US-10-355-577-576645
US-10-355-577-802554/c
; Sequence 802554, Application US/10355577
; GENERAL INFORMATION:
; APPLICANT: Mittmann, Michael
; TITLE OF INVENTION: Methods of Genetic Analysis of Probes: HG-Ul33;
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; ORGANISM: Homo sapien
US-10-355-577-576645
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Best Local S
Matches 14
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LENGTH: 25
TYPE: DNA
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GENERAL INFORMATION
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GENERAL INFORMATION:
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LENGTH: 25
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Best Local Similarity 100.0%; Pred. No.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           Query Match
                                                                                                                                                                                                                                                                                                                                                                                                                 APPLICANT: Mittmann, Michael
TITLE OF INVENTION: Methods of Genetic Analysis of Probes: HG-U133
FILE REFERENCE: 3121
CURRENT APPLICATION NUMBER: US/10/355,577
CURRENT FILING DATE: 2003-01-31
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          APPLICANT: Mittmann, Michael
TITLE OF INVENTION: Methods of Genetic Analysis of Probes: HG-Ul33
FILE REFERENCE: 3121
                                                                                                                                                                                                                                                                                                                                                                                  NUMBER OF SEQ ID NOS: 997516 SOFTWARE: Microarray Probe Sequence Listing Generator V 1.1
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    14 CTGAGACCGATATC
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Similarity 100.0%;
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                                                                                                                                                                                                                     63.6%; Score 14; DB 9; L
100.0%; Pred. No. 3.6e+03;
tive 0; Mismatches 0;
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Pred. No. 3.6e+03;
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                                                                                                                  ; TYPE: DNA
; ORGANISM: Homo sapien
US-10-355-577-320105
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US-10-355-577-320105
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US-10-355-577-802554
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CURRENT FILING DATE: 2003-01-31

NUMBER OF SEQ ID NOS: 997516

SOFTWARE: Microarray Probe Sequence Listing Generator V 1.1

SEQ ID NO 320105

LENGTH: 25
                                                                                                                                                                        NUMBER OF SEQ ID NOS: 997516
SOFTWARE: Microarray Probe Sequence Listing Generator SEQ ID NO 320105
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GENERAL INFORMATION:
APPLICANT: Mittmann, Michael
TITLE OF INVENTION: Methods of Genetic Analysis
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SOFTWARE: Microarray Probe Sequence Listing
SEQ ID NO 802554
LENGTH: 25
                                                          Matches
                                                                         Best
                                                                                      Query Match
                                                                                                                                                                                                                                                                                              Sequence 320105, Application US/10355577 GENERAL INFORMATION:
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                                                                                                                                                                                                                    APPLICANT: Mittmann, Michael
TITLE OF INVENTION: Methods of Genetic Analysis
FILE REFERENCE: 3121
CURRENT APPLICATION NUMBER: US/10/355,577
CURRENT FILING DATE: 2003-01-31
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      CURRENT APPLICATION NUMBER: US/10/355,577
CURRENT FILING DATE: 2003-01-31
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     TYPE: DNA
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Local Similarity 100.0%;
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 24
                                                         l Similarity
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15; Conserv
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                          TGAGACCGATATCGGTC 18
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                                                          Conservative
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88.2%;
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Pred. No.
                                                                     Score 13.8;
Pred. No. 4.
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Pred. No. 4
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                                                    4.6e+03;
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RESULT 29

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Sequence 559692, Application US/1035577

GENERAL INFORMATION:
APPLICANT: Mittmann, Michael
TITLE OF INVENTION: Methods of Genetic Analysis of Probes: HG-U
FILE REFERENCE: 3121
CURRENT APPLICATION NUMBER: US/10/355,577
CURRENT FILING DATE: 2003-01-31
NUMBER OF SEQ ID NOS: 997516
SOFTWARE: Microarray Probe Sequence Listing Generator V 1.1
SEQ ID NO 559692
LENGTH: 25
TYPE: DNA
ORGANISM: Homo sapien
US-10-355-577-559692
                                                                      US-09-954-445A-48359
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US-10-355-577-559692
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US-10-355-577-559692/c
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                                                                             CURRENT APPLICATION NUMBER: US/09/954,445A
CURRENT FILING DATE: 2000-09-17
PRIOR APPLICATION NUMBER: 60/233,620
PRIOR FILING DATE: 2000-09-18
NUMBER OF SEQ ID NOS: 131820
SOFTWARE: Microarray Probe Sequence Listing Generator V 1.1
SEQ ID NO 48359
LENGTH: 25
TYPE: DNA
ORGANISM: Arabidopsis thaliana
                                                                                                                                                                                                                                                                                                              Sequence 48359, Appl GENERAL INFORMATION:
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                  Query Match
Best Local
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Best Local
   Matches
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CURRENT APPLICATION NUMBER: US/10/355,577
CURRENT FILING DATE: 2003-01-31
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TITLE OF INVENTION: Methods of Genetic Analysis of Probes: HG-U133
                                                                                                                                                                                                                                                             APPLICANT: Mittmann, Michael TITLE OF INVENTION: Methods of Genetic Analysis FILE REFERENCE: 3116.1
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TYPE: DNA
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 1 Similarity
16; Conserv
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15; Conserv
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15; Conserv
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   Conservative
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ilarity 88.2%;
Conservative
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                  61.8%;
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88.2%;
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Score 13.6; DB 7;
Pred. No. 5.8e+03;
0; Mismatches 4
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Pred. No. 4
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Pred. No. 4.6e+03;
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                                                                                                                                                                                                                                                                               of Arabidopsis Thaliana
                                  Length 25;
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TGAGACCGATATCGGTCTCA

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Sequence 67902, Application US/10098263B
GENERAL INFORMATION:
APPLICANT: Mittman, Michael
TITLE OF INVENTION: Human Microarray
FILE REFERENCE: 3118.1
CURRENT APPLICATION NUMBER: US/10/098,263B
CURRENT FILING DATE: 2003-01-08
PRIOR APPLICATION NUMBER: 60/276,759
PRIOR FILING DATE: 2001-03-16
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US-10-098-263B-67902
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US-09-954-445A-48359/c
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                                                                                                                                                                              US-10-098-263B-67902/c
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; TYPE: DNA
; ORGANISM: Homo sapien
US-10-098-263B-67902
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SOFTWARE: Microarray Probe S
SEQ ID NO 67902
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LENGTH: 25
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CURRENT APPLICATION NUMBER: US/10/098,263B
CURRENT FILING DATE: 2003-01-08
PRIOR APPLICATION NUMBER: 60/276,759
PRIOR APPLICATION NUMBER: 60/276,759
PRIOR FILING DATE: 2001-03-16
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           FILE REFERENCE: 3116.1
CURRENT APPLICATION NUMBER: US/09/954,445A
CURRENT FILING DATE: 2000-09-17
PRIOR APPLICATION NUMBER: 60/233,620
PRIOR FILING DATE: 2000-09-18
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      NUMBER OF SEQ ID NOS: 131820
SOFTWARE: Microarray Probe Sequence Listing Generator V 1.1
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TITLE OF INVENTION: Methods of Genetic Analysis of Arabidopsis Thaliana
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    TYPE: DNA
ORGANISM: Arabidopsis thaliana
                                                                                                                                                                                                                                                                                                                                                     / Match 61.8%;
Local Similarity 80.0%;
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16; Conservat
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Pred. No. 5.8e+03;
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Pred. No. 5.8e+03;
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GENERAL INFORMATION:

APPLICANT: Mittman, Michael

TITLE OF INVENTION: Human Microarray

FILE REFERENCE: 3118.1

CURRENT APPLICATION NUMBER: US/10/098,263B

CURRENT FILING DATE: 2003-01-08

PRIOR APPLICATION NUMBER: 60/276,759

PRIOR APPLICATION NUMBER: 60/276,759

PRIOR FILING DATE: 2001-03-16

NUMBER OF SEQ ID NOS: 131066

SOFTWARE: Microarray Probe Sequence Listing Generator V 1.1

SEQ ID NO 93368

LENGTH: 25

TYPE: DNA

CREATICM
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FILE REFERENCE: 3118.1
CURRENT APPLICATION NUMBER: US/10/098,263B
CURRENT FILING DATE: 2003-01-08
PRIOR APPLICATION NUMBER: 60/276,759
PRIOR FILING DATE: 2001-03-16
NUMBER OF SEO ID NOS: 131066
SOFTWARE: Microarray Probe Sequence Listing Generator V 1.1
SEQ ID NO 93368
LENGTH: 25
TYPE: DNA
ORGANISM: Homo mapien
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US-10-098-263B-93368
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                                                                                                                             ; ORGANISM: Homo sapien 
US-10-098-263B-93368
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APPLICANT: Mittman, Michael
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SOFTWARE: Microarray Probe Sequence Listing Generator V 1.1
SEQ ID NO 67902
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Best Local Similarity
Matches 16; Conserv
                                                              Matches
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Best Local Similarity
Matches 16; Conserv
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Best Local Similarity
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ORGANISM: Homo sapien
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Pred. No. 5.8e+03;
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NUMBER OF SEQ ID NOS: 997516; SOFTWARE: Microarray Probe Sequence Listing Generator V 1.1 SEQ ID NO 700753; LENGTH: 25; TYPE: DNA ORGANISM: Homo sapien
US-10-355-577-700753
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          FILE REFERENCE: 3121
CURRENT APPLICATION NUMBER: US/10/355,577
CURRENT FILING DATE: 2003-01-31
CURRENT FILING DATE: 2003-01-31
NUMBER OF SEQ ID NOS: 997516
SOFTWARE: Microarray Probe Sequence Listing Generator V 1.1
SEQ ID NO 404087
LENGTH: 25
TYPE: DNA
CORGANISM: Homo sapien
US-10-355-577-404087
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US-10-355-577-700753
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US-10-355-577-404087/c
; Sequence 404087, Application US/10355577
; GENERAL INFORMATION:
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US-10-355-577-404087
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CURRENT FILING DATE: 2003-01-31
NUMBER OF SEQ ID NOS: 997516
SOFTWARE: Microarray Probe Sequence Listing Generator V 1.1
SEQ ID NO 404087
                                                                                                                                                                                                                                                    Sequence 700753, Application US/10355577
GENERAL INFORMATION:
APPLICANT: Mittmann, Michael
TITLE OF INVENTION: Methods of Genetic Analysis of Probes: HG-U133
FILE REFERENCE: 3121
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Best Local Similarity 80.0%;
Matches 16; Conservative
Query Match 61.8%;
Best Local Similarity 80.0%;
Matches 16; Conservative
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TITLE OF INVENTION: Methods of Genetic Analysis of Probes: HG-U133
FILE REFERENCE: 3121
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TITLE OF INVENTION: Methods of Genetic Analysis of Probes: HG-Ul33
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Score 13.6; DB 9; Length 25; Pred. No. 5.8e+03; 0; Mismatches 4; Indels
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Pred. No. 5.8e+03;
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Pred. No. 5.8e+03;
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Search completed: June 14, 2003, 23:26:57 Job time: 667 secs
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US-10-355-577-700753/c
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CURRENT FILING DATE: 2003-01-31
NUMBER OF SEQ ID NOS: 997516
SOFTWARE: Microarray Probe Sequence Listing Generator V 1.1
SEQ ID NO 700753
LENGTH: 25
TYPE: DNA
                                                                                                                                                    Best Local Similarity
Matches 16; Conserv
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                                                                                                                                                                                     Query Match
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                                                                                                                                                                                                                                              ORGANISM: Homo sapien
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Pred. No. 5.8e+03,
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Post-processing: Minimum Match
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SUMMARIES

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           Barany, F., Zirvi, M., Gerry, N.P., Favis, R. and Kliman, R. Method of designing addressable array for detection of nucleic sequence differences using ligase detection reaction Patent: WO 0179548-A 2689 25-OCT-2001;
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Lonberg,N. and Kay,R.M.
High affinity human antibodies and human
Patent: US 6255458-A 391 03-UUL-2001;
Location/Qualifiers
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Lonberg, N. and Kay, R.M.
High affinity human antibodies and human
Patent: US 6255488-A 391 03-UUL-2001;
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PAT 21-NOV-2001

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1 (bases 1 to 25)
Casey, W.M., Chen, J.G., Colton, H.M., Taylor, D.G. Detection of single nucleotide polymorphisms Patent: WO 0148244-A 15 05-JUL-2001; GLAXO GROUP LIMITED (GB)
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synthetic construct artificial sequences.

1 (bases 1 to 25)
Casey, W.M., Chen, J.G., Colton, H.M., Taylor, D.G. Detection of single nucleotide polymorphisms Patent: WO 0148244-A 15 05-JUL-2001;
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Probes, methods and kits for detection and pylori nucleic acids in biological samples Patent: JP 2001502336-A 33 27-FEB-2001; INNOGENETICS NV, DDL BV
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JP 2001502516-A/33

27-FEB-2001

10-OCT-1997 JP 1998518004

16-OCT-1996 EP 96870131.8

16-OCT-1996 EP 96870131.8

WILHELMUS QUINT LEENDERT JAN VAN DOORN

C12Q1/68, C07K14/205, C12N15/11
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Peterson, M.G., Baichwal, V.R.
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1 (bases 1 to 32)

1 (bases 1 to 32)

S Fritz,H., Hennecke,F. and Kolmar,H.

Genetic selection of proteins able to bind a ligand by signal-transduction in a microorganism

L Patent: EP 0630968-A 26 28-DEC-1994;

BEHRINGWERKE AG (DE)

Other publication JP 6343472 941220

Other publication AU 6461494 941215

Other publication CA 2125536 941211

Other publication DE 4319296 941215.
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Fritz.H., Hennecke, F. and Kolmar, H. Fritz.H. and Kolmar, H. Genetic selection of proteins able to k signal-transduction in a microorganism patent: EP 0630968-A 26 28-DEC-1994;

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Sequence 13 from Patent WO0208435.
AX361282
AX361282.1 GI:18693905
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                                                                                                       Ertl, P.F., Gough, G.W. and Ring, C.J.
Codon-optimized papilloma virus sequences
Patent: WO 0208435-A 13 31-JAN-2002;
GLAXO GROUP LIMITED (GB)
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                                        /organisme"synthetic construct"
/db_xref="taxon:32630"
/note="Oligonucleotide linker"
15 c 14 g 8 t
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/db_xref="taxon:32644"
12 c 5 g
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/db xref="taxon:32630"
/note="Oligonucleotide linker"
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72.7%;
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56.4%;
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Pred. No.
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Pred. No. 4.3e+05;
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Pred. No. 4.5e+05;
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Patent: WO 0068374-A 16 16.NOV-2000;
Novartis_AG (CH) ; Novartis-Erfindungen Verwaltungsgesellschaft
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                                                                                                                                                                                                                                                               artificial sequences.
1 (bases 1 to 24)
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Sequence 16 from Patent
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/db_xref="taxon:32630"
/note="HiNK284"
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/note="HiNK284"
7 c 4 g
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/db_xref="taxon.1929o"
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82.4%; Pred. No. 5.86
tive 0; Mismatches
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CHAYAMA KAZUAKI
OS Artificial gene
OC Artificial sequence; Genes.
OS Hepatitis C virus
PN JP 193337000-A/28
PD 21-DEC-1993
PF 04-JUN-1992 JP 1992168226
PI CHAYAMA KAZUAKI, KUMADA HIROMITSU
PC C1201/68,C12N15/10,C12N15/11,C12Q1/70
CC strandedness: Single;
CC hypothetical: NO;
CC anti-sense: NO;
Patent: JP 1993
CHAYAMA KAZUAKI
OS Artificial
OC Artificial
OC Artificial
OS Hepatitis C
PN JP 1993370
PD 21-DEC-1993
PF CHAYAMA KAZ
PC C12Q1/68,C1
CC topology: L
CC hypothetica
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METHOD FOR
THE SAME
                                                                                                                                                                        artificial sequences.

1 (bases 1 to 26)

1 (bases 1 to 26)

Chayama,K. and Kumada,H.

METHOD FOR EXAMINING C TYPE HEPATITIS VIRUS AND PRIMER SET USED FOR
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Oligonucleotide specific
E06104
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Oligonucleotide specific to subtype
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Artificial genees.
Artificial sequence; Genes.
Hepatitis C virus
JP 199337000-A/28
21-DEC-1993
.04-JUN-1992 JP 1992168226
CHAYAMA KAZIAKI, KUMADA HIROMITSU
C12Q1/68,C12N15/10,C12N15/11,C12Q1/70;
strandedness: Single;
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yama,K. and Kumada,H.
rHOD FOR EXAMINING C TYPE HEPATITIS VIRUS
                                                                                        Artificial gene
Artificial sequence; G
Hepatitis C virus
JP 1993337000-A/28
04-JUN-1992 JP 1992168226
CHAYAWA KAZUAKI, KUMADA HIROMITSU
C12Q1/68, C12N15/10, C12N15/11, C12Q1/70;
strandedness: Single;
topology: Linear;
hypothetical: No;
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ilarity 82.4%;
Conservative
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/db_xref="taxon:32630"
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Pt of Hepatitis C virus.
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CHAYAMA KAZUAKI
OS None
OS Artificial
PN JP 19960566
PD 05-MAR-1996
PF 26-AUG-1994
PI CHAYAMA KAZ
PC C12N15/09,A
G01N33/576,
PC (C12N1/21,C
CC strandednes
CC topology: L
CC hypothetica
CC anti-sense:
FH Key
FH Key
FT source
E10842.1 GI:22027936
JP 1996056672-A/4.
                        PCR primer for detecting E10842
                                                E10842
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      1 (bases 1 to 26)
Chayama,K. and Kumada,H.
GENE OF TYPE C HEPATITIS VIRUS
Patent: JP 1996056672-A 4 05-MAR-1996;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      unidentified
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   unidentified
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                                                                                                                                                                Conservative
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CHAYAMA KAZUAKI, KUMADA HIROMITSU
C12N15/09,A61K39/29,C07K14/18,C12N1/21,C12P21/02,C12Q1/68,
U33/576,
                                                                                                                                                                                                                                                                                                                                                                                                                                                         Artificial sequences.
JP 1996056672-A/4
05-MAR-1996
                                                                                                                                                                                                                                                                                                                                                       topology: Linear; hypothetical: No;
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strandedness: Single;
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                                                                                                                                                                                                                                                                          Location/Qualifiers
                                                                                                                                                                                                                          /organism="unidentified"
/db_xref="taxon:32644"
8 c 7 g
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/db_xref="taxon:32630"
8 c 7 g
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Pred.
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Pred. No. 5.8e+05;
                                   26 bp DNA
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REFERENCE
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AUTHORS
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SOURCE
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AR120578
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Best Local S
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1 (bases 1 to 26)

1 (bases 1 to 26)

1 (bases 1 to 26)

Chayama, K. and Kumada, H.

GENE OF TYPE C HEPATITIS VIRUS

Patent: JP 1996056672-A 4 05-MAR-1996;

CHAYAMA KAZUAKI

OS None

OC Artificial sequences.

PN JP 1996056672-A/4

PD 05-MAR-1996

PF 26-AUG-1994 JP 1994223933

PI CHAYAMA KAZUAKI, KUMADA HIROMITSU

PC C12N15/09, A61K39/29, C07K14/18, C12N1/

PC C12N15/09, A61K39/29, C07K14/18, C12N1/

PC C12N15/09, A61K39/29, C07K14/18, C12N1/

PC C12N15/09, A61K39/19, (C12P21/02, C12R1)

CC C12N15/10, A61K39/19, (C12P21/02, C12R1)

PC C12N15/09, A61K39/19, (C12P21/02, C12R1)

CC C12N15/09, A61K39/19, (C12P21/02, C12R1)

PC C12N15/09, A61K39/19, (C12P21/02, C12R1)

CC C12N15/09, A61K39/19, (C12P21/02, C12R1)

PC C12N15/09, A61K39/19, (C12P21/02, C12R1)

CC C12N15
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Unclassified.
1 (bases 1 to 33)
1 (bases 1 to 33)
Audonnet, J.-C. and Baudu, P.
Canine herpesvirus based recombinant live vaccine, against cantine distemper, rabies or the parainfluer Patent: US 6159477-A 8 12-DEC-2000;
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                                                                                             GATCGATATCGGGCCCA
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yr 1996056672-A/4
05-MAR-1996
26-AUG-1994 JP 1994223933
CHAYAMA KAZUAKI, KUMADA HIROMITSU
C12N15/09,A61K39/29,C07K14/18,C12N1/21,C12P21/02,C12Q1/68,
                                                                                                                                                                      Conservative
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/organism='Artificial sequences'
Location/Qualifiers
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9 c 10 g
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/db_xref="taxon:32644"
8 c 7 g
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Pred. No. 5.6e+05;
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Pred. No. 5.8e+05;
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parainfluenza
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AR120579/c
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ORIGIN
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FEATURES
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AR120579
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                                                        TITLE
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AR120579
Sequence
AR120579
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AR120579
            1 (bases 1 to 33)
Audonmet, J.-C. and Baudu, P.
Canine herpesvirus based recombinant live vaccine, in against canine distemper, rabies or the parainfluenza Patent: US 6159477-A 9 12-DEC-2000;
                                                                                                                                                                                                                                                                                             14;
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Audonnet J.-C. and Baudu, P.
Canine herpesvirus based recombinant live vaccine, in
against canine distemper, rabies or the parainfluenza
Patent: US 6159477-A 9 12-DEC-2000;
Location/Qualifiers
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1 (bases I to 33)

Audonnet, J.-C. and Baudu, P.

Canine herpesvirus based recombinant live vaccine, in against canine distemper, rabies or the parainfluenza Patent: US 6159477-A 8 12-DEC-2000;
                                                                             Unclassified.
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Location/Qualifiers
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9 c 10 g
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Pred. No. 5.6e
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Pred. No. 5.6e+05;
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Shami, E.Y., Rothstein, A. and Ramjees:
Use of antibody/antigen interactions
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Patent: US 5686579-A 1 11-NOV-1997;
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Patent: US 5686579-A 1 11-NOV-1997;
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Schouten (3 J., Vogels, R. and Opstelten, D. J. Modified adenoviral vectors for use in gene Patent: WO 0120014-A 36 22-MAR-2001;
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Audonner, J.-C. and Baudu, P.
Canine herpesvirus based recombinant live vaccine, in against canine distemper, rabies or the parainfluenza patent: US 6159477-A 28 12-DEC-2000;
Location/Qualifiers
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Audonnet, J.-C. and Baudu, P.
Canine herpesvirus based recombinant live vaccine,
against canine distemper, rabies or the parainflue
Patent: US 6159477-A 29 12-DEC-2000;
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Audonmet, J.-C. and Baudu, P.
Canine herpesvirus based recombinant live vaccine, in particular against canine distemper, rables or the parainfluenza 2 virus Patent: US 6159477-A 28 12-DEC-2000;
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1 (bases 1 to 28)
Peterson, M.G., Baichwal, V.R. and Strulovici, B.
Transcription factor-DNA binding assay
Patent: US 5563036-A 68 08-OCT-1996;
Location/Qualifiers
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1 (bases 1 to 28)

Peterson, M.G., Baichwal, V.R. and Strulovici, B. Transcription factor-DNA binding assay

Patent: US 5563036-A 68 08-OCT-1996;
Location/Qualifiers
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Audonnet, J.-C. and Baudu, P.
Canine herpesvirus based recombinant live vaccine, in lagainst canine distemper, rabies or the parainfluenza Patent: US 6159477-A 29 12-DEC-2000;
Location/Qualifiers
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811 10.2 46.4 22 21 AAC88654 812 10.2 46.4 22 21 AAC68654	809 10.2 46.4 21 24 ABK83412 810 10.2 46.4 21 24 ABK83412	808 10.2 46.4 21 24 ABK83411	806 10.2 46.4 21 19 AAZ26166 807 10.2 46.4 21 24 ABK83411	805 10.2 46.4 21 19 AAZ26166	803 10.2 46.4 21 19 AAZ25833	802 10.2 46.4 21 14 AAQ48544	801 10.2 46.4 21 14 AAO48544	799 10.2 46.4 21 14 AAQ48540	798 10.2 46.4 21 13 AAQ32568	797 10.2 46.4 21 13 AAQ32568	796 10.2 46.4 20 24 ABI97193	795 10 2 46 4 20 24 ABI797193	793 10.2 46.4 20 24 ABI94036	792 10.2 46.4 20 24 ABL41702	791 10.2 46.4 20 24 ABL41702	790 10.2 46.4 20 24 ABK70814	789 10.2 46.4 20 24 ABK70814	788 10.2 46.4 20 22 AAF60154	787 10.2 46.4 20 22 AAF60154	786 10.2 46.4 20 20 AAZ03184	10.2 46.4 20 20 AAZ03184	784 10.2 46.4 20 20 AAZ04892	/83 IU.2 45.4 20 20 AAZ04892	162 10.2 46.4 20 20 AAZ04889	100 10.4 40.4 40.00 10.00 10.00000	781 10 2 46 4 20 20 30 30 30 30 30 30 30 30 30 30 30 30 30	780 10.2 46.4 20 20 AAZ06117	10.2 46.4 20 20 AAZ06117	778 10.2 46.4 20 17 AAT16094	11/ 10.2 46.4 20 1/ AAI16094	1717 10 2 /6 / 20 17 ANTACOA	776 10.2 46.4 20 15 AAO65418	775 10.2 46.4 20 15 AAQ65418	1/4 IU.2 46.4 20 14 AAQ46363	131 - 10 - 10 - 10 - 10 - 10 - 10 - 10 -	773 10 3 46 4 30 14 3040663	773 10 3 46 4 18 34 38 38 58 58	771 10.2 46.4 18 24 ABL35558	770 10.2 46.4 17 21 AAA36237	10.2 46.4 17 21 AAA36237	168 10.2 46.4 1/ 21 AAA35226	10 10 10 11 11 21 MAN 20220	TOTAL	766 10 2 46 4 17 19 AAV95838	765 10.2 46.4 17 19 AAV95838	764 10.2 46.4 14 14 AAQ43637	10.2 46.4 14 14 AAQ43637	762 10.4 47.3 50 22 AAL33830	/61 10.4 4/.3 30 22 AAA133030	761 10 4 47 3 50 22 ALL33830	760 10.4 47.3 50 22 AAL30444	759 10.4 47.3 50 22 AAL30444	: 758 10.4 47.3 50 21 AAA74409	10.4 47.3 50 21 AAA74409	756 10.4 47.3 50 18 AAV77788	10.4 47.3 50 18 AAV77788	754 10.4 47.3 49 ZI AMMU9360	100 100 4 410 10 01 NAMAGOOGG	100 10 10 10 10 10 10 10 10 10 10 10 10	760 10 4 47 3 46 34 78 70 38 7	751 10.4 47.3 48 24 ABA03387	750 10.4 47.3 48 24 AAH99927	10.4 47.3 48 24 AAH99927	748 10.4 47.3 48 24 ABK46241	147 10.4 47.3 48 24 ABK46241	140 FC 4 47 - 0 0 4 25500000	746 10 4 47 3 48 34 APL 38778	745 10 4 47 3 48 24 AAI 38775	744 10 4 47 3 48 22 AAF72714	743 10 4 47 3 . 48 22 AAF72714	742 10.4 47.3 48 22 AAF60417	741 10.4 47.3 48 22 AAF60417	740 10.4 47.3 48 21 AAZ92895		
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 proteins - by culturing cells under
and inducing gene expression with
against shear stress response element
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 Kaysen
                                                                                                                                                                                                                                            BP.
                                                                                                                                                                                                                                                                                                                                         0,
                                                                                                                                                                                                                                                                                                                                                 Score 22;
Pred. No.
                                                                                                                                                                                                                                                                                                22
                                                                                                                                                                                                                                                                                                                                          Mismatches
                                                                                                                                                                                                                                                                                                              . 22
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  JH;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               ADMIN.
            with
            nucleotides 1 to
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Length Indels

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RESULT 1
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ID AAV7
XX AAV7
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XX Synt
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FT misc
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RESULT 3
AAA70834
ID AAA77
XX AAA7
AC AAA7
XX Mole
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XX Mode
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XX Mos
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XX IS-1
XX IS-1
PF 12-1
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PR 12-1
PA 12-
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Best Local :
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        The present sequence represents an antisense probe for the shear response element. The probe has two possible conformations. As a singular strand it can fold back on itself to form a binding element for the transcription factor. As a double strand, it has two binding sites for the transcription factor (both in the sense and antisense orientation). The specification describes the expression of at least 1 gene which is induced in a cell by treating with a transcription factor decoy oligonucleotide directed against a sequence encoding a shear stress response element (SSR). The method is used to produce hormones, toxin receptors and shear stress-dependent molecules, e.g. erythropotetin (EPO) for treatment of anaemia in dialysis or AIDS patients, and many forms of cancer. Also cells expressing these molecules are useful for biochemical trainfological or pharmacological studies or as hormone.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               Production of functional proteins - by culturing cells und microgravity conditions, and inducing gene expression with oligonucleotide directed against shear stress response ele
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            Sequence 22 BP; 5 A; 6 C; 6 G; 5 T; 0 other;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   (USAS )
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  Ecker DJ,
                                                                                                             12-MAY-1998;
12-MAY-1998;
                                                                                                                                                                                                                                                                                                         WO9958947-A2
                                                                                                                                                                                                                                                                                                                                                                                                                   Modulator; identification; molecular interaction; virtual library;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                       Molecular interaction site RNA #34.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 27-APR-2001
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        AAA70834;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            AAA70834 standard; RNA;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    Example 16; Fig 4A; 55pp; English.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        WPI; 1998-594488/50
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             07-APR-1998;
                                                         (ISIS-) ISIS PHARM INC.
                                                                                                                                                                                              12-MAY-1999;
                                                                                                                                                                                                                                                     18-NOV-1999
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          biochemical, toxicological or pharmacological studies or as hormone
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      08-APR-1997;
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   1 CTGAGACCGATATCGGTCTCAG 22
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 22;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              Similarity
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      NASA US NAT AERO & SPACE ADMIN.
TULANE EDUCATIONAL FUND.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   CTGAGACCGATATCGGTCTCAG 1
  Griffey R,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 Conservative
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 (first entry)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      97US-0043205
                                                                                                             98US-0076404.
98US-0085092.
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                                                                                                                                                                                              99WO-US10361
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  Crooke ST,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               28
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               ВP
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              0;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        Score 22;
Pred. No.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 Mismatches
Sampath R,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 by culturing cells under
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        0.088;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  DB 19;
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  Swayze
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     Length
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  [FJ
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  Mohan V;
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RESULT 4
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               compounds to generate a hierarchy of the compounds ranked in accordance with their respective ability to form physical interactions with the molecular interaction site. The method also describes (1) RNA comprising a joined sequence of at least 24 nucleotides but not more than 70 nucleotides and having secondary structure defined by: (a) 3 nucleotides forming a first side of an internal loop region; (b) 2 nucleotides forming a first side of an internal loop region; (c) 4 nucleotides forming a first side of a second ds region; (d) 4 or 5 nucleotides forming an end loop region; (e) 4 nucleotides forming a second side of the second ds region; (e) 3 nucleotides forming a second side of the internal loop region; and (g) 3 nucleotides forming a second side of the internal loop region; and (g) 3 nucleotides forming a second side of the internal loop region; and (g) 3 nucleotides forming a second side of the first ds region; (f) 4 nucleotides forming a second side of the human sequence UUUXCAACAUAAUCGUUUACAGAAAAUC (II). The methods and products can be used for identifying agents which modulate the activity of biomolecules, particulatival or industrial compounds
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     Query Match
Best Local S
Matches 13
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        This invention describes a novel method for identifying compounds which modulate the activity of a target biomolecule. The method uses 3-dimensional representations of the biomolecule and a library of compounds and comprises (a) identifying at least one molecular interaction site of the target RNA; (b) generating in silico a virtual library of compounds predicted or calculated to interact with the
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             Identifying compounds which modulate activity of target biomolecules, used to provide compounds which can be used as pharmacological, agricultural and industrial compounds -
                                                                                                                                                                                                                                                                                                                                                                                                    AAA70834;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               Sequence 28 BP; 11 A; 8 C; 4 G; 5 U; 0 other;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              molecular interaction site; and (c) comparing 3-dimensional (3-D) representations of the target RNA with members of the virtual library
Ecker DJ, Griffey R, Crooke Hofstadler S, McNeil J;
                                                                                                                                                                                                                    WO9958947-A2
                                                                                                                                                                                                                                                                                            Modulator;
                                                                                                                                                                                                                                                                                                                            Molecular interaction site RNA #34.
                                                                                                                                                                                                                                                                                                                                                                                                                                        AAA70834 standard;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             Claim 275; Page 238; 405pp; English
                                                                                       12-MAY-1998;
12-MAY-1998;
                                                                                                                                              12-MAY-1999;
                                                                                                                                                                                  18-NOV-1999
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   as pharmaceutical,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           Hofstadler S,
                                                   (ISIS-) ISIS PHARM INC
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         13;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            3 GAGACCGATATCGGTCTCA
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   GAGACCCAAAUCUGUCUCA
                                                                                                                                                                                                                                                                                            identification; molecular interaction; virtual library;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       Conservative
                                                                                                                                                                                                                                                                                                                                                                (first entry)
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                                                                                       98US-0076404
98US-0085092
                                                                                                                                            99WO-US10361
                                                                                                                                                                                                                                                                                                                                                                                                                                        RNA;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 agricultural or industrial compounds.
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Pred. No. 9.2e+02;
                  ST,
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                  Sampath R,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           21;
                    Swayze
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         Length
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                    Mohan
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RESULT 5
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Best Local
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           a joined sequence of at least 24 nucleotides but not more than 70 nucleotides and having secondary structure defined by: (a) 3 nucleotides forming a first gide of a first double stranded (ds) region; (b) 2 nucleotides forming a first side of an internal loop region; (c) 4 nucleotides forming a first side of a second ds region; (d) 4 or 5 nucleotides forming an end loop region; (e) 4 nucleotides forming a second side of the second ds region; (f) 4 nucleotides forming a second side of the internal loop region; (f) 4 nucleotides forming a second side of the first ds region; (2) a purified and isolated RNA fragment comprising the human sequence UVUACAACAUANUCUNGUUVACAGAAAAAUC (II). The methods and products can be used for identifying agents which modulate the activity of biomolecules, particularly RNA. Such agents can be used as pharmaceutical, agricultural or industrial compounds.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      compounds to generate a hierarchy of the compounds ranked in accordance with their respective ability to form physical interactions with the molecular interaction site. The merhod also document in the merhod also document in the merhod also document.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           Identifying compounds which modulate acused to provide compounds which can be agricultural and industrial compounds.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         This invention describes a novel method for identifying compounds modulate the activity of a target biomolecule. The method uses 3-dimensional representations of the biomolecule and a library of
                               WPI; 2000-020309/02
                                                               Moon GD,
                                                                                                                                  01-APR-1997;
                                                                                                                                                                    01-APR-1997;
                                                                                                                                                                                                   16-NOV-1998.
                                                                                                                                                                                                                                                                       Unidentified
                                                                                                                                                                                                                                                                                                        Farnesyltransferase; enzyme; ds
                                                                                                                                                                                                                                                                                                                                          DNA sequence
                                                                                                                                                                                                                                                                                                                                                                           07-MAY-2002
                                                                                                                                                                                                                                                                                                                                                                                                             ABA98894
                                                                                                                                                                                                                                                                                                                                                                                                                                             ABA98894 standard; DNA; 33
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                Sequence
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    molecular interaction site. The method also describes (1) RNA comprising
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         molecular interaction site; and
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     compounds and comprises (a) identifying at least one molecular interaction site of the target RNA; (b) generating in silico a virtual library of compounds predicted or calculated to interact with the
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          Claim 275; Page 238; 405pp; English
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                                                                                                 (GLDS )
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                                                               Kim MJ, Chung HH
                                                                                                 CHEM
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 Conservative
                                                                                                                                                                                                                                                                                                                                          2 relative to the farnesyltransferase
                                                                                                                                                                                                                                                                                                                                                                         (first entry)
                                                                                                                                  97KR-0012067
                                                                                                                                                                    97KR-0012067
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                A; 8 C; 4 G; 5 U; 0 other;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               64.5%;
84.2%;
                                                                                                                                                                                                                                                                                                                                                                                                                                             ВP
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               <u>,</u>
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               Score 14.2; DB 21
Pred. No. 9.2e+02;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 Mismatches
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           activity of target biomolecules, be used as pharmacological,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               DB 21;
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                                                                                                                                                                                                                                                                                                                                          the
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                                                                                                                                                                                                                                                                                                                                          invention
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RESULT 7
AAZ95872
ID AAZ9
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AC AAZ9

AAZ95872 standard; DNA; 40

ВP

AAZ95872;

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                                                                                                                   63.6%;
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Matches 17
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          polynucleotide flanking regions that modulate ligand binding characteristics of an adjacent binding site. The method comprises:
(i) providing a number of different duplex polynucleotides, each having the same polynucleotide ligand binding site and a randomly synthesised sequence flanking the binding site; (ii) exposing the duplex to a ligand selective for the binding site; (iii) isolating duplexse which bind or do not bind the ligand, and (iv) determining the nucleotide composition of the flanking duplex sequence by sequencing the duplex sequence adjacent to the binding site. The invention is used to modulate the ligand-binding characteristics of any nucleotide sequence. The invention is less costly and more efficient than prior art techniques that moderate ligand binding using small molecule pharmaceuticals. Sequences AR295762-296170 represent polynucleotide sequences including the binding site for the restriction arrayme Pamur and used in the course of the contraction of the formal properties of the course 
                            Synthetic
                                                                    Ligand binding;
pharmaceutical;
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03-JUN-1999;
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99US-0324672.
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                                                                                                                                                            Hexapetaloid duplicon-containing transferase 11; human; recombinant production; malignant tumour; cancer; blood disernecombinant production; minumodeficiency virus; immune disorder; HIV infection; human immunodeficiency virus; immune disorder; inflammatory condition; cytostatic; anti-HIV; antiinflammator
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          The invention provides a method for determining the sequence of polynucleotide flanking regions that modulate ligand binding characteristics of an adjacent binding site. The method comprises:

(i) providing a number of different duplex polynucleotides, each having
27-DEC-1999;
                                                           05-JUL-2001
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03-JUN-1999;
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                            25-DEC-2000; 2000WO-CN00719.
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                                                                                                                     Homo sapiens.
                                                                                                                                                                                                                                         Hexapetaloid
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          (TMTE-) TM TECHNOLOGIES INC
                                                                                                                                                   .mmunomodulator; PCR primer;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      Local
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ω
                                                                                                                                                                                                                                                                                                                                                                                                                                       1 CTGAGACCGATATCGGTCTCAG
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      Similarity
                                                                                                                                                                                                                                                                                                                                                                                                            CTGAGGCCGAACTCGGTTTCTG
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       Page 38;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                      Conservative
                                                                                                                                                                                                                                         duplicon-containing transferase 11 PCR primer, SEQ ID
                                                                                                                                                                                                                                                                       (first entry)
99CN-0125376
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       98US-0087905.
99US-0324672.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    99WO-US12516
                                                                                                                                                                                                                                                                                                                                  DNA;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       62pp; English.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  63.6%;
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 Score 14;
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                                                                                                                                                                 anti-HIV; antiinflammatory;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                 1.2e+03;
5;
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  Length 40;
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                                                                                                                                                                                             disease;
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cc method for the recombinant production of hexapetaloid duplicon-containing transferase 11. The present invention additionally discloses an cc antagonist of hexapetaloid duplicon-containing transferase 11 for therapeutic use, and an antibody which specifically binds to the protein. CC Hexapetaloid duplicon-containing transferase 11 for cc encode it may be used for treating a variety of diseases, such as cc malignant tumours, blood diseases, Hr (human immunodeficiency virus) cc infection, immune disorders and inflammatory conditions. The protein may calso be used to screen for modulators of its activity or for peptide cf ingerprinting identification. The polynucleotide can be used as primer for nucleic acid amplification reactions or as a probe for hybridisation cr reactions, or in producing gene chips or microarrays. Sequences cc AAH46200-AAH46201 represent PCR primers used in an exemplification of the invention to amplify human hexapetaloid duplicon-containing transferase 11 cDNA for cloning.
RESULT 10
AAH46201/c
ID AAH462
XX AAH462
XX AAH462
XX Hexape
XX Hexape
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Best Local
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                                                            мао у,
                                                                                                                                                                         27-DEC-1999;
                                                                                                                                                                                                                             25-DEC-2000; 2000WO-CN00719
                                                                                                                                                                                                                                                                                    05-JUL-2001
                                                                                                                                                                                                                                                                                                                                        WO200148222-A1
                                                                                                                                                                                                                                                                                                                                                                                           Homo sapiens.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         HIV infection; human immunodeficiency virus;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                Hexapetaloid duplicon-containing
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              Hexapetaloid duplicon-containing transferase 11 PCR primer,
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     AAH46201 standard; DNA;
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   recombinant production; malignant tumour; cancer; blood disease,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 (SHAN-) SHANGHAI
                                                                                                                   (SHAN-) SHANGHAI BIOWINDOW GENE DEV
                                                                                                                                                                                                                                                                                                                                                                                                                                                     immunomodulator;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                               nflammatory
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            14
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 BP; 9
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      Conservative
                                                                                                                                                                                                                                                                                                                                                                                                                                               condition; cytostatic; anti-HIV; antiinflammatory;
cor; PCR primer; ss.
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                                                                                                                                                                      99CN-0125376
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Pred. No. 1.9e
0; Mismatches
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             transferase 11; human;
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         immune disorder,
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RESULT 11
ABI95602
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     The invention relates to human hexapetaloid duplicon-containing CC transferase 11 (AAB97610), nucleic acids encoding it (AAH46197), and a CC method for the recombinant production of hexapetaloid duplicon-containing CC transferase 11. The present invention additionally discloses an CC antagonist of hexapetaloid duplicon-containing transferase 11 for the protein containing transferase 11 for CC therapetaloid duplicon-containing transferase 11, and nucleotides which concode it may be used for treating transferase 11, and nucleotides which CC encode it may be used for treating a variety of diseases, such as mailtoniant tumours, blood diseases, HIV (human immunodeficiency virus) infection, immune disorders and inflammatory conditions. The protein may also be used to screen for modulators of its activity or for peptide CC infections of amplification. The polynucleotide can be used as a primer for nucleic acid amplification reactions or as a probe for hybridisation creactions, or in producing gene chips or microarrays. Sequences CC AAH46200-AAH46201 represent PCR primers used in an exemplification of the invention to amplify human hexapetaloid duplicon-containing CC transferase 11 cDNA for cloning.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              Matches
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Best Local :
                                                                                                                                                                                                                                                                                                                                                        Human; K-ras; PCR primer; probe; capture probe; mutation detection; ligase detection reaction; LDR; p53; BRCA1; BRCA2; infectious disease; infection; 21 hydroxylase deficiency; Turner Syndrome; obbesity; cancer; oncogene; tumour suppressor; human papillomavirus; forensic; environmental monitoring; food industry; feed industry; ss.
             Designing capture oligonucleotide probes for use on a support to complementary oligonucleotides hybridize with little mismatch - \,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 Hexapetaloid duplicon containing transferase 11 and encoded polynucleotide, applicable in diagnosis and treatment of malignant tumor, hemopathy, HIV infection, immunological diseases and variou
                                                                                                                                                                                                                 04-APR-2001; 2001WO-US10958
                                                                                                                                                                                                                                                                                                                        Synthetic
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               ABI95602 standard; DNA; 20
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                                                                   WPI; 2002-034366/04
                                                                                                                                                                             14-APR-2000; 2000US-197271P.
                                                                                                                                                                                                                                                     25-OCT-2001
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             ABI95602;
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                                                                                                                                         (CORR ) CORNELL
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                                                                                                   Zirvi M,
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                                                                                                                                           RES FOUND INC
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               61.8%;
80.0%;
                                                                                                     Gerry NP,
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Pred. No. 1
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                                                                                                     Favis R,
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                                                                                                       Kliman
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5; Fig 29; 300pp; English

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RESULT 12
ABI95602/c
В
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        CC e.g. Salmonella, Listeria monocytogenes and Haemophilus influenza, fungal CI infectious agents e.g. Cryptococcus neoformans, Candida albicans and CR Aspergillus funigatutus, viruses e.g. T-cell lymphocytotrophis cirus, CR Egstein-Barr virus and polio virus, and parasitic infectious agents CR Egstein-Barr virus and polio virus, and parasitic infectious agents CR endinesis. The method is also useful for detecting genetic diseases such CR elityphocytotrophis cirus, and parasitic infectious agents CR endinesis. The method is also useful for detecting genetic diseases such CR elityphocytase deficiency, Turner Syndrome and obselty defects.
CR estable cancer involving oncogenes, tumour suppressor genes, or genes involved in DNA amplification, replication, recombination or repair, the CR enver is specifically associated with a gene selected from BRCA1 gene, p53 gene, human papillomavirus types 16 and 18 and liver cancers. The method is also used for environmental monitoring, forensics and the food and feed industry, detecting comprises scanning (using e.g. a scanning cleation microscope and infrared microscope) the support at the CR electron microscope and infrared microscope) the support at the CR paracicular sites and identifying if ligation of the oligonucleotide probe sets occurred and correlating (using a computer) identified ligation to a presence or absence of the target nucleotide sequences. ABI82074 to
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               Query Match
Best Local S
Matches 14
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               The present invention describes a method (M1) for designing capture oligonucleotide probes (I) for use on a support to which complementary oligonucleotide probes (II) will hybridise with little mismatch, where (I) have melting temperatures within a narrow range. The method is useful for detecting infectious diseases caused by bacterial infectious agents
                Designing capture oligonucleotide probes for use on a support to which complementary oligonucleotides hybridize with little mismatch -
                                                                                                                                                                                                                                                                                                                                                                                               Human; K-ras; PCR primer; probe; capture probe; mutation detection; ligase detection reaction; LDR; p53; BRCA1; BRCA2; infectious diseas infection; 21 hydroxylase deficiency; Turner Syndrome; obesity; cancer; oncogene; tumour suppressor; human papillomavirus; forensic;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           Sequence 20
                                                                          WPI; 2002-034366/04
                                                                                                                                                                                      14-APR-2000; 2000US-197271P
                                                                                                                                                                                                                             04-APR-2001; 2001WO-US10958
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                                                                                                                                                                                                                                                                                                                                                                                 environmental monitoring; food industry; feed
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                                                                                                                                                  (CORR ) CORNELL RES FOUND INC
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                                                                                                              Zirvi
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          (first entry)
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                                                                                                              Gerry NP,
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Pred. No. 2.3e+03;
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                                                                                                              Favis
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           T; 0 other;
                                                                                                            æ,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 DB 24;
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                                                                                                              Kliman
                                                                                                                                                                                                                                                                                                                                                                                 industry; ss.
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                                                                                                                                                                                                                                                                                                                                                                                                                                           infectious disease;
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            Designing capture oligonucleotide probes for use on a support to which complementary oligonucleotides hybridize with little mismatch -
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CC e.g. Salmonella, Listeria monocytogenes and Haemophilus influenza, fungal
CC infectious agents e.g. Cryptococcus neoformans, Candida albicans and
CC Aspergillus fumigautus, viruses e.g. T-cell lymphocytotrophis cirus,
CC Epstein-Barr virus and polio virus, and parasitic infectious agents
CC medinesis. The method is also useful for detecting genetic diseases such
CC as 21 hydroxylase deficiency, Turner Syndrome and obesity defects.
CC Detecting cancer involving oncogenes, tumour suppressor genes, or genes
CC involved in DNA amplification, replication, recombination or repair, the
CC cancer is specifically associated with a gene selected from BRCA1 gene,
CC p3 gene, human papillomavirus types 16 and 1 liver cancers. The
CC method is also used for environmental monitoring, forensics and the food
CC and feed industry, detecting comprises scanning (using e.g. a scanning
CC electron microscope and infrared microscope) the support at the
CC gets occurred and correlating (using a computer) identified ligation to a
CC presence or absence of the target nucleotide sequences. AB182074 to
Co fe the present invention
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                                                                Designing capture oligonucleotide probes for use on a support to which complementary oligonucleotides hybridize with little mismatch -
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      (first entry)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    3 A; 8 C; 6
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               60.9%;
                                                                                                   Gerry NP,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               0
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    G; 7 T; 0 other;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 Score 13.4;
Pred. No. 2
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   Mismatches
                                                                                                 Favis R,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 .3e+03;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 DB
                                                                                                     Kliman
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               24;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 Indels
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 Length
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 24;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               0
                                                                                                                                                                                                                                                                                                                                                                                                  disease;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               Gaps
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0

Designing capture oligonucleotide probes for use on a support complementary oligonucleotides hybridize with little mismatch

to which

Example 5; Fig 25; 300pp; English.

•

Example 5; Fig 25; 300pp; English

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В
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            ABI87775/c
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       RESULT 16
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              Query Match
Best Local S
Matches 14
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            Human; K-ras; PCR primer; probe; capture probe; mutation detection; ligase detection reaction; LDR; p53; BRCA1; BRCA2; infectious disease; infection; 21 hydroxylase deficiency; Turner Syndrome; obesity; cancer; oncogene; tumour suppressor; human papillomavirus; forensic; environmental monitoring; food industry; feed industry; ss.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              cancer is specifically associated with a gene selected from BRCA1 gene, p53 gene, human papillomavirus types 16 and 18 and liver cancers. The method is also used for environmental monitoring, forensics and the food and feed industry, detecting comprises scanning (using e.g. a scanning electron microscope and infrared microscope) the support at the particular sites and identifying if ligation of the oligonucleotide probesets occurred and correlating (using a computer) identified ligation to a presence or absence of the target nucleotide sequences. AB182074 to AB197946 represent oligonucleotide sequences used in the exemplification
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   infectious agents e.g. Cryptococcus neoformans, Candida albicans and Aspergillus fumigatus, viruses e.g. T-cell lymphocytotrophis cirus, Epstein-Barr virus and polio virus, and parasitic infectious agents selected from Onchoverva volvulus, Entameba histolytica and Dracunculus medinesis. The method is also useful for detecting genetic diseases such as 21 hydroxylase deficiency, Turner Syndrome and obesity defects. Detecting cancer involving oncogenes, tumour suppressor genes, or genes involved in DNA amplification, replication, recombination or repair, the
                          Designing capture oligonucleotide probes for use on a support to which complementary oligonucleotides hybridize with little mismatch -
                                                                                                                          WPI; 2002-034366/04
                                                                                                                                                                                                                                                                                                                                                                              04-APR-2001; 2001WO-US10958
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            WO200179548-A2
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            Capture oligonucleotide Zip ID#2689 oligo
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             ABI87775
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     ABI87775 standard; DNA; 24 BP
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              Sequence
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    origonucleotide probes (I) for use on a support to which complementary oligonucleotide probes (II) will hybridise with little mismatch, where (I) have melting temperatures within a narrow reason mentioned to the complementary of the complem
                                                                                                                                                                                                                                                 (CORR ) CORNELL RES FOUND INC
                                                                                                                                                                                                                                                                                                               14-APR-2000; 2000US-197271P.
                                                                                                                                                                                                                                                                                                                                                                                                                                             25-OCT-2001
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              15-FEB-2002
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      for detecting infectious diseases caused by
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         have melting temperatures within a narrow range. The method is useful detecting infectious diseases caused by bacterial infectious agents
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              Salmonella, Listeria monocytogenes and Haemophilus influenza,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   6
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          present
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           Similarity
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              24
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           CTGAGACCGATATCG 15
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   CTGAGACCGATATGG 20
                                                                                                                                                                                         Zirvi
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        BP;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   invention
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 Conservative
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              (first entry)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       invention.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              7
                                                                                                                                                                                  Z
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           A.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           60.9%;
                                                                                                                                                                                     Gerry NP,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        6 C; 8
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          describes a method (M1) for designing capture
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        G; 3 T; 0 other;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              0
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           Score 13.4; DB 24
Pred. No. 2.3e+03;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 Mismatches
                                                                                                                                                                                  Favis R,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      DB 24;
                                                                                                                                                                                  Kliman
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              Indels
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         Length
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         24;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          0
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          Gaps
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          0
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RESULT 17
AAX04272
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             Best Local
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            Query Match
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            Detecting cancer involving oncogenes, tumour suppressor genes, or genes involved in DNA amplification, replication, recombination or repair, the cancer is specifically associated with a gene selected from BRCA1 gene, p53 gene, human papillomavirus types 16 and 18 and 11ver cancers. The method is also used for environmental monitoring, forensics and the food and feed industry, detecting comprises canning (using e.g. a scanning electron microscope and infrared microscope) the support at the particular sites and identifying if ligation of the oligonucleotide probe sets occurred and correlating (using a computer) identified ligation to a presence or absence of the target nucleotide sequences. ABI82074 to ABI97546 represent oligonucleotide sequences used in the exemplification of the present invention.
                                                                                                                                                                                                                                                                                                                                                                        Ricin-like toxin; cancer; viral infection; parasitic infection; linker; B chain; A chain; protease; fungal infection; malaria; leucocyte proliferation; cytomegalovirus; herpes; hepatitis; rhinovirus; laryngeotracheitis; poliomyelitis; varicella zoster
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          for detecting infectious diseases caused by bacterial infectious agents e.g. Salmonella, Listeria monocytogenes and Haemophilus influenza, funga infectious agents e.g. Cryptococcus neoformans, Candida albicans and Aspergillus fumigautus, viruses e.g. T-cell lymphocytotrophis cirus,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  Egstein-Barr virus and polio virus, and parasitic infectious agents selected from Onchoverva volvulus, Entamoeba histolytica and Dracunculus medinesis. The method is also useful for detecting genetic diseases such as 21 hydroxylase deficiency, Turner Syndrome and obesity defects.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 The present invention describes a method (M1) for designing capture oligonucleotide probes (I) for use on a support to which complementary oligonucleotide probes (II) will hybridise with little mismatch, where (I) have melting temperatures within a narrow range. The method is useful
                                                                                                                                         29-OCT-1997;
30-APR-1997;
                                                                                                                                                                                             30-APR-1998;
                                                                                                                                                                                                                               05-NOV-1998
                                                                                                                                                                                                                                                                                                      Synthetic.
                                                                                                                                                                                                                                                                                                                       Hepatitis A virus.
                                                                                                                                                                                                                                                                                                                                                           cystic fibrosis; multiple sclerosis; ds.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                    HAV-A linker
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           AAX04272 standard; DNA; 36
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  Sequence
                               WPI; 1999-009431/01
                                                                 Borgford
                                                                                                                                                                                                                                                                   WO9849311-A2
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        15-APR-1999
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           AAX04272
                                                                                                     (DNOV-) DE NOVO ENZYME CORP
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       20
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           14;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     8 CGATATCGGTCTCAG 22
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             Similarity
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  24 BP; 7 A; 6 C; 8
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         Conservative
                                                                                                                                                                                                                                                                                                                                                                                                                                                                  regions of pAP-257
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        (first entry)
                                                                                                                                       97US-0063715
97US-0045148
                                                                                                                                                                                           98WO-CA00394.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            60.9%;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             ₽₽
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           0
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  G; 3 T; 0 other;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            Score 13.4; DB 24
Pred. No. 2.3e+03;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           Mismatches
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              24;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         Indels
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              Length
                                                                                                                                                                                                                                                                                                                                                                              zoster
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              24;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           0
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         Gaps
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             fungal
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New nucleic acid encoding ricin-like toxin with an interchain linker

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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   CC (ii) a heterologous linker, joining the two Chains and including a colleavage recognition site for a disease-specific protease (III). Also CC described are: (1) plasmids or baculovirus transfer vectors that contain CC (I); and (2) recombinant protein (IV) consisting of the A and B chains CC of (II) joined by the specified linker. (IV), produced by expression of CC (I) in host cells, are used to inhibit or kill diseased cells that protein (IV) particularly for treating cancers (e.g. leucoyte CC produce (III), particularly for treating cancers (e.g. leucoyte CC proliferation; cancer of ovary, pancreas, breast or prostate; glioma) or crifections caused by fungi, parasites (e.g. malaria) or viruses (e.g. cytomegalovirus (CMV), herpes, hepatitis, rhinovirus, laryngeotracheitis, CC poliomyelitis or varicella zoster), also cystic fibrosis and multiple sclerosis. Alternatively, (I) is used to express (IV) in vivo. (IV) is coxic specificity on a cell-binding component. When used to treat viruse component in the composition of the
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 RESULT 18
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                Matches
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        Best
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       Query Match
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              cleaved by protease - is specific for diseased cells, useful for e.g. killing selectively cancer or infected cells
                                                                                                                                                                                                                                                                                                                                                             Hepatitis A virus. Synthetic.
                                           WPI; 1999-009431/01.
                                                                                  Borgford
                                                                                                                                                                    29-OCT-1997;
30-APR-1997;
                                                                                                                                                                                                                                 30-APR-1998;
                                                                                                                                                                                                                                                                            05-NOV-1998
                                                                                                                                                                                                                                                                                                                   WO9849311-A2
                                                                                                                                                                                                                                                                                                                                                                                                                       cystic
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          Ricin-like toxin;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 HAV-A linker regions of pAP-257.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        AAX04272 standard; DNA;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                Sequence
                                                                                                                                                                                                                                                                                                                                                                                                              Ricin-like toxin; cancer; viral infection; parasitic infection; linker; B chain; A chain; protease; fungal infection; malaria; leucocyte proliferation; cytomegalovirus; herpes; hepatitis; rhinovirus; laryngeotracheitis; poliomyelitis; varicella zoster: ystic fibrosis; multiple sclerosis; ds.
                                                                                                                           (PNOV-)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      Local
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             encoding:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                l Similarity
16; Conserv
                                                                                                                           DE
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   36
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       CTGAGACCGATATCGGTCTCA 21
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                CTTAGAACGCAATCGTTCTCA 27
                                                                                                                             NOVO
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                BP;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                invention
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                Conservative
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          (first entry)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             (i) the
                                                                                                                                                                    97US-0063715
97US-0045148
                                                                                                                                                                                                                                 98WO-CA00394.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   11
                                                                                                                             ENZYME CORP
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              A; 7 C;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  59.1%;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             A and B chains of a ricin-
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          36
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          ΒP
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   7
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                ٥,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              Score 13; DB 20; Pred. No. 3.9e+03; 0; Mismatches 5;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              G
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              11 T; 0 other;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           ourified and isolated nucleic acids of a ricin-like toxin (II); and
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     Length 36;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                <u>.</u>.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                Gaps
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described are: (1) plasmids or baculovirus transfer vectors that contain (1); and (2) recombinant protein (IV) consisting of the A and B chains of (II) joined by the specified linker. (IV), produced by expression of (I) in host cells, are used to inhibit or kill diseased cells that produce (III), particularly for treating cancers (e.g. leucocyte proliferation; cancer of owary, pancreas, breast or prostate; glioma) or infections caused by fungi, parasites (e.g. malaria) or viruses (e.g. cytomegalovirus (CMV), herpes, hepatitis, rhinovirus, laryngeotracheitis, poliomyelitis or varicella roster), also cystic fibrosis and multiple sclerosis. Alternatively, (I) is used to express (IV) in vivo. (IV) is
                                                                              sclerosis. Alternatively, (I) is used to express (IV) in vivo. (IV) is toxic specifically for (III) expressing cells and does not depend for specificity on a cell-binding component. When used to treat virus-infected cells, transcytosis and cytotoxicity of (IV) are increased by retrograde translocation from endoplasmic retroulum to cytoplasm (which some viruses exploit to avoid immune detection), so selectivity and safety are further improved. (IV) are not toxic until chain A is released and this occurs only in target cells. The present sequence
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               cleaved by protease - is e.g. killing selectively
Sequence 36 BP; 11 A; 7 C; 7 G; 11 T; 0 other;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                The present invention describes new purified and isolated nucleic acids (I) encoding: (i) the A and B chains of a ricin-like toxin (II); and (ii) a heterologous linker, joining the two chains and including a
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          cleavage recognition site for a disease-specific protease (III)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              New nucleic acid encoding ricin-like toxin with an interchain linker
                                                           represents a nucleotide sequence from the present invention.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     selectively cancer or infected cells
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          23B; 352pp; English
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  specific for diseased cells, useful for,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             Also
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Matches Query Match Best Local : 27 16; 2 TGAGACCGATATCGGTCTCAG Similarity TGAGAACGATTGCGTTCTAAG Conservative 59.1%; 0 Score Pred. 7 22 Mismatches No. 13; DB JB 2. .9e+03; 5; Length 36 Indels 0 Gaps

0

## AAT78823 standard; DNA; 44

ВP

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23-JAN-1998 AAT78823; (first entry)

Kappa light chain PCR reaction 2 PCR primer O-561.

transgenic; mouse; CD4; antibody; autoimmune; inflammatory; transplant rejection; immunoglobulin; ss. Ig; affinity constant; human; antigen; hybridoma; B cell; transgene;

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Synthetic
Homo sapiens
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WO9713852-A1

10-OCT-1996; 17-APR-1997 96WO-US16433

10-OCT-1995; 95US-0544404

(GENP-)

GENPHARM INT

RM, z

WPI; 1997-235888/21.

Novel anti-CD4 antibody produced by transgenic treatment of auto-immune disease etc. mice used in

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RESULT 20
AAT78823/c
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Best Local S
Matches 16
A novel composition has been developed which comprises an immunoglobulir (1g) having an affinity constant (Ka) of at least 2 multiply 1000000000 M-1 for binding to a predetermined human antigen. The present sequence represents a PCR primer involved in the light chain PCR reaction 2 for the production of a synthetic kappa light chain. Anti-CD4 antibodies may be used in therapeutic and diagnostic applications, especially for the treatment of human diseases. These antibodies reduce activity of CD4 cells and reduce undesirable autoimmune reactions,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                (Ig) having an affinity constant (Ka) of at least 2 multiply 1000000000 M-1 for binding to a predetermined human antigen. The present sequence represents a PCR primer involved in the light chain PCR reaction 2 for the production of a synthetic kappa light chain. Anti-CD4 antibodies may be used in therapeutic and diagnostic applications, especially for the treatment of human diseases. These antibodies reduce activity of CD4 cells and reduce undesirable autoimmune reactions, inflammatory response and transplant rejection. Transgenic animals are capable of producing heterologous antibodies of multiple isotypes by undergoing isotype switching. These animals produce a first Ig type that is necessary for antigen-stimulated B-cell maturation and can
                                                                                                                                                                Novel anti-CD4 antibody produced by transgenic treatment of auto-immune disease etc.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   AAT78823
                                                                                                                                   Example
                                                                                                                                                                                                             WPI; 1997-235888/21
                                                                                                                                                                                                                                                                                                   10-OCT-1995;
                                                                                                                                                                                                                                                                                                                                10-OCT-1996;
                                                                                                                                                                                                                                                                                                                                                             17-APR-1997.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                  transplant
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 transgenic;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             Ig; affinity constant; human; antigen; hybridoma; B cell; transgene;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           Kappa light
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          23-JAN-1998
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               Sequence 44
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        switch to encode and produce one or more subsequent heterologous
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    Example
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                                                                                                                                      42;
                                                                                                                                                                                                                                                                      GENPHARM INT INC
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       composition has been
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    42;
                                                                                                                                                                                                                                       Lonberg
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 standard; DNA;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        TGAGACCGATATCGGTCTCAG
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           TGAGAGTGAAATCTGTCCCAG 29
                                                                                                                                                                                                                                                                                                                                                                                                                                                                  rejection;
                                                                                                                                   Page
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 mouse;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            chain PCR
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    Conservative
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             BP; 10 A; 11 C; 12 G; 11 T; 0 other;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    Page
                                                                                                                                                                                                                                                                                                   95US-0544404
                                                                                                                                                                                                                                                                                                                                96WO-US16433
                                                                                                                                   266; 396pp;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  266; 396pp;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 CD4;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                59.1%;
76.2%;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                4; antibody; autoimmune;
immunoglobulin; ss.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            reaction
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    44
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    <u>..</u>
                                                                                                                                   English.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  Score 13; I
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     developed which comprises an
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  English.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     22
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         2 PCR primer O-561.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    Mismatches
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                DB 18;
3.9e+03;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                inflammatory;
                                                                                                                                                                                 mice
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                Length 44
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                                                                                                                                                                                 used
                                                                                                     immunoglobulin
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     Ş
          Oligonucleotides AAV39256-64 were used to create a synthetic kappa light CC chain. Oligonucleotides AAV39256-64 were pooled, and amplified with CC chain. Oligonucleotides AAV39265-64 were pooled, and amplified with the CC AAV39248 and AAV39265. The amplification product was combined with the CC product of oligonucleotides AAV39244-53, and then amplified. The sequence was then cloned into a vector, which is used to produce the transgenic comouse of the invention. The specification describes transgenic non-human CC animals, especially a mouse, which are capable of producing a human CC heterologous antibodies of multiple isotypes by undergoing isotype switching. The transgenic animals have human heavy and light chain CC transgenes. The transgenes are capable of functionally rearranging a cc transgenes in the transgenes in a variable-diversity-junction (V-D-J) crecombination. The transgenes in a variable-diversity-junction gene segment. The immunoglobulin (Ig) light chain transgene comprises at least one V and Jeene segment and one constant region gene segment. The capable of the transgene comprises at least one V and Jeene segment and one constant region gene segment. The
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            Matches
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  Transgenic animal; human heterologous antibody; transgene; isotype switching; neutrophil efflux; repertusion injury; CD4 bindin autoimmune reaction; inflammatory response; transplant rejection; acid induced lung injury; acute adult respiratory distress syndrome; ARDS; vasculitis; septic shock; allergic reaction; asthma;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               capable of producing heterologous antibodies of multiple isotypes by undergoing isotype switching. These animals produce a first Ig type that is necessary for antigen-stimulated B-cell maturation and can switch to encode and produce one or more subsequent heterologous
                                                                                                                                                                                                                                                                                                                                                 Hybridoma producing antibody specific for interleukin-8 - used prevent efflux of neutrophils from vasculature, and treat
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             02-DEC-1996;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             01-DEC-1997;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     cystic fibrosis; PCR primer; ss.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               Sequence 44
                                                                                                                                                                                                                                                                                              Example 42; Page 317; 452pp; English
                                                                                                                                                                                                                                                                                                                                reperfusion
                                                                                                                                                                                                                                                                                                                                                                                                     WPI; 1998-333306/29
                                                                                                                                                                                                                                                                                                                                                                                                                                        Kay RM,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  WO9824884-A1
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   Synthetic
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           Primer o-561 used to make a
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  AAV39264 standard; DNA;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                          (GENP-)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     inflammatory response and transplant rejection.
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         29
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            16;
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                                                                                                                                                                                                                                                                                                                                                                                                                                      Lonberg N;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      CTGAGACCGATATCGGTCTCA
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         CTGGGACAGATTTCACTCTCA 9
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               BP;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            Conservative
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               (first entry)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             96US-0758417
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             97WO-US21803
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               10 A; 11
 gene segment and one constant heterologous to the transgenic
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           59.1%;
76.2%;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  44
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               12
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           synthetic kappa light chain
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       Pred. No. 3.9e
0; Mismatches
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             Score
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No.
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               other;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               18;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            <u></u>ნ
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           Length 44;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     Transgenic
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            Indels
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          CD4 binding;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       animals are
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           0;
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RESULT 22
AAV39264/c
  Matches
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Oligonucleotides AAV39256-64 were used to create a synthetic kappa light chain. Oligonucleotides AAV39266-64 were pooled, and amplified with AAV39248 and AAV39265. The amplification product was combined with the product of oligonucleotides AAV39244-53, and then amplified. The sequence was then cloned into a vector, which is used to produce the transgenic mouse of the invention. The specification describes transgenic non-human animals, especially a mouse, which are capable of producing a human heterologous antibodies of multiple isotypes by undergoing isotype switching. The transgenic animals have human heavy and light chain transgenes. The transgenes are capable of functionally rearranging a neterologous diversity (D) gene in a variable-diversity-junction (V-D-J) recombination. The transgenes include a heavy chain transgene comprising at least one V, D and J gene segment, and one constant region gene segment. The immunoglobulin (Ig) light chain transgene comprises at
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       Transgenic animal; human heterologous antibody; transgene; isotype switching; neutrophil efflux; reperfusion injury; CD4 binding; autoimmune reaction; inflammatory response; transplant rejection; acid induced lung injury, acute adult respiratory distress syndrome; ARDS; vasculitis; septic shock; allergic reaction; asthma; cystic fibrosis; PCR primer; ss.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                be used to prevent efflux of neutrophils from vasculature. It can also be used to treat reperfusion injury. CD4 binding antibodies are used to reduce undesirable autoimmune reactions, inflammatory responses and rejection of transplanted organs. The anti-IL-8 antibodies can reduce tissue damage and prolong survival in animal models of acute adult respiratory distress syndrome (ARDS) and acid induced lung injury. The anti-IL-8 antibodies can also be used for the treatment of vasculitis,
                                                                                                                                                                                                                                                                                                                                                               Hybridoma producing antibody specific for interleukin-8 - prevent efflux of neutrophils from vasculature, and treat
                                                                                                                                                                                                                                                                                                      Example 42;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              02-DEC-1996;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   01-DEC-1997;
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               Primer o-561 used to make a synthetic kappa light chain.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          18-DEC-1998
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      AAV39264 standard;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               Sequence 44 BP; 10 A; 11 C; 12 G; 11 T; 0 other;
                                                                                                                                                                                                                                                                                                                                               reperfusion
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       (GENP-)
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         φ
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              TGAGACCGATATCGGTCTCAG 22
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       TGAGAGTGAAATCTGTCCCAG 29
                                                                                                                                                                                                                                                                                                      Page 317;
                                                                                                                                                                                                                                                                                                                                               injury
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Pred. No. 3.9e+03;
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RESULT 23
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Best Local S
                                    having a genome comprising a human heavy chain transgene and a human light chain transgene. The B cells are fused to immortalized cells suitable for generating a hybridoma, which produces a detectable amount of an immunglobulin that specifically binds digoxin or Shinga-like toxin. B cells from transgenic animals can be used to generate hybridomas expressing monoclonal high affinity human sequenc antibodies. Antibodies produced from the transgenic animals of the invention can be used to treat human diseases, e.g. autoimmune diseases, cancer, infectious disease, transplant rejection, blood diseases, cancer, infectious disease, transplant rejection, blood
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  least one V and J gene segment and one constant region gene segment. The gene segments are heterologous to the transgenic animal. The antibody cape used to prevent efflux of neutrophils from vasculature. It can also be used to treat reperfusion injury. CD4 binding antibodies are used to reduce undesirable autoimmune reactions, inflammatory responses and rejection of transplanted organs. The anti-II-B antibodies can reduce tissue damage and prolong survival in animal models of acute adult respiratory distress syndrome (ARDS) and acid induced lung injury. The anti-II-B antibodies can also be used for the treatment of vasculitis, septic shock, allergic reactions (e.g. asthma) and cystic fibrosis.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  transgenic mouse; human heavy chain transgene; digoxin;
human light chain transgene; immortalized cell; immunoglobulin;
Shinga-like toxin; autoimmune disease; cancer; infectious disease;
transplant rejection; blood disorder; coagulation disorder; ss.
               diseases, cancer, infectious disorders such as coagulation
                                                                                                                                                                                                                                                                                                             The specification describes transgenic animals that are capable of producing a heterologous antibody. The antibodies are isolated form a producing a heterologous antibody. The antibodies are isolated form a transgenic mouse hybridoma, comprising B cells, that is obtained from a transgenic mouse the product of the produc
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           Synthetic
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3.9e+03;
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RESULT 24
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                                                                                                                                                                                                                   having a genome comprising a human heavy chain transgene and a human light chain transgene. The B cells are fused to immortalized cells suitable for generating a hybridoma, which produces a detectable amount of an immunoglobulin that specifically binds digoxin or shinga-like toxin. B cells from transgenic animals can be used to generate hybridomas expressing monoclonal high affinity human sequence antibodies. Antibodies produced from the transgenic animals of the invention can be used to treat human diseases, e.g. autoimmune diseases, cancer, infectious disease, transplant rejection, blood disorders such as coagulation disorders and other diseases. The present sequence is used in the course of the invention.
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                                                                                           Mismatches
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            No. 3
                                                                                                                                                                                   Ŧ,
                                                                                      DB 2c.
3.9e+03;
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                                                                                                                                                                                   0 other;
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                                                                                                                                  Length 44;
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Best Query Match

Local

Similarity

58.2%; 87.5%;

Score Pred.

0

Mismatches 12.8; No. 4. No.

.7e+03 DB 21; 2

Length Indels

24; 0

Gaps

0

CTGAGACCGATATCGG

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RESULT 25
AAZ43102
 This sequence represents a PCR primer for DNA encoding a Caenorhabditis CC elegans insulin-like protein. The amplified sequence can be used in the cmethod of the invention, for analysing an effect of expression or CC mis-expression of a C. elegans insulin-like gene, which comprises CC mis-express a C. elegans insulin-like protein (ILP) of any one of groups I, II or IV or a derivative or fragment that displays one or more CC functional activities of the C. elegans ILP. The insulin-like genes in CC c. elegans constitute very useful tools for probing the function and CC regulation of their corresponding pathways. This can be expected to lead to the discovery of new drug targets, therapeutic proteins, diagnostics associated with the function of insulin hormones in humans and other CC animals, as well as clinical problems associated with the function of insulin hormones in humans and other CC animals, as well as clinical problems associated with aging and CC validation of pesticide targets in invertebrate pests that are components CC fitnese signalling pathways. The genes are also useful for identifying C factors that are upstream of the receptor in the signal transduction pathway. The signal transduction approach for identifying factors that are upstream of the receptor in the signal transduction pathway.
                                                                                                                                                                                                                                                                                                                                                                                                                                                            Homburger
Reddy BP;
                                                                                                                                                                                                                                                                                                                                                                                      Analysing acids and
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                17-APR-1998;
08-MAY-1998;
Sequence
                                                                                                                                                                                                                                                                                                                                                         Example
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             signal
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                                                                                                                                                                                                                                                                                                                                                                                                                               WPI; 2000-013239/01
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    26-MAY-1998;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              16-APR-1999;
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 AAZ43102;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       (EXEL-) EXELIXIS PHARM INC.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            insulin
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          Insulin-like
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             transduction
                                                                                                                                                                                                                                                                                                                                                       1:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            hormone;
 24
                                                                                                                                                                                                                                                                                                                                                                                    Caenorhabditis elegans insulin-like gene expression, proteins of the C. elegans insulin-like genes
                                                                                                                                                                                                                                                                                                                                                                                                                                                                          SA,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       for
BP;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         protein; diagnosis; insulin-like gene analysis; nematode;
ne; aging; senescence; pesticide target; signalling pathway;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  (first entry
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 98US-0062580.
98US-0074984.
98US-0084303.
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A;
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             pathway;
                                                                                                                                                                                                                                                                                                                                                       194pp;
3 C; 8
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                          Ferguson
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       insulin-like protein
                                                                                                                                                                                                                                                                                                                                                       English.
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G; 6 T; 0
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 other;
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                                                                                                                                             This sequence represents a PCR primer for DNA encoding a Caenorhabditis CC elegans insulin-like protein. The amplified sequence can be used in the cc method of the invention, for analysing an effect of expression or CC mis-expression of a C. elegans insulin-like gene, which comprises observing a first nematode genetically engineered to express or CC mis-express a C. elegans insulin-like protein (ILP) of any one of groups CC I, II or IV or a derivative or fragment that displays one or more CC functional activities of the C. elegans ILP. The insulin-like genes in CC celegans constitute very useful tools for probing the function and CC regulation of their corresponding pathways. This can be expected to lead to the discovery of new drug targets, therapeutic proteins, diagnostics and prognostics useful in the treatment of diseases and clinical problems associated with the function of insulin hormones in humans and other CC animals, as well as clinical problems associated with aging and CC validation of pesticide targets in invertebrate pests that are components of these signalling pathways. The genes are also useful for identifying factors that are upstream of the receptor in the signal transduction CC superior approach for identifying factors that are upstream of the receptor in the signal transduction constant or approach for identifying factors that are upstream of the receptor in the signal transduction constant or approach for identifying factors that are upstream of the receptor in the signal transduction of superior approach for identifying factors that are upstream of the receptor in the signal transduction of superior approach for identifying factors that are upstream of the superior approach for identifying factors that are upstream of the superior approach for identifying factors that are upstream of the superior approach for identifying factors that are upstream of the superior approach for identifying factors that are upstream of the superior approach for identifying factors that are upstream of the sup
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AAZ43102/c
                                                                      Query Match
Best Local S
Matches 14
                                                                                                                                             Sequence
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            Example
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             Analysing Caenorhabditis elegans insulin-like gene expression, acids and proteins of the C. elegans insulin-like genes
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Reddy BP;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                17-APR-1998;
08-MAY-1998;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 WO9954436-A2
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   26-MAY-1998;
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                PCR primer
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            insulin hormone;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               (EXEL-) EXELIXIS
24
                                                                        14;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       n hormone; aging; senescence; pesticid
transduction pathway; PCR primer; ss.
                                    7
                                                                                        Similarity
                                                                                                                                                                                approach for identifying factors that in the signal transduction pathway.
CCGATATCAGTCTCTG
                                  CCGATATCGGTCTCAG 22
                                                                                                                                             24
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  for
                                                                                                                                             BP;
                                                                        Conservative
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             protein; diagnosis; insulin-like
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    (first entry)
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98US-0074984.
98US-0084303.
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                                                                                                                                             A.
                                                                                        58.2%;
                                                                                                                                             3 C; 8
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            senescence; pesticide
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          Ferguson KC,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                insulin-like protein
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           English.
                                                                      0
                                                                                                                                             G; 6 T; 0 other;
                                                                                        Score 12.8; DB 21
Pred. No. 4.7e+03;
                                                                      Mismatches
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          Doberstein SK,
                                                                                                         DB 21;
                                                                      <u>ب</u>
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        gene analysis; nematode;
target; signalling pathway;
                                                                                                                                                                                                   are upstream
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                                                                      Indels
                                                                                                     Length
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                                                                                                           24;
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                                                                      Gaps
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Best Local .
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                                  Synthetic
                                                                    Primer;
                                                                                                                                                                                  AAZ89641;
                                                                                                                                                                                                                                                                                                                                                                                                                                                              Sequence
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      Disclosure;
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                                                                                                                                             28-JUN-2000
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  invention
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       28-JUN-2000
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16-MAR-2000

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RESULT 27
AAZ89641
ID AAZ89
XX AAZ89
XX AAZ89
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XX AAZ89
XX AAZ89
XX AAZ89
XX AAZ89
XX AAZ80
XX Seque
This invention describes a novel method (I) for identifying polymorphic DNA sequences which comprises forming a population of heteroduplexes, isolating and amplifying mismatched heteroduplexes to form amplicons, and determining the sequence of the amplicon. The methods are useful for identifying polymorphic DNA sequences and for comparing a reference DNA population with test populations for identifying sequences that are different (e.g. mutated sequences). The method allows large scale identification of polymorphic or mutated sequences in an individual. AAZ89641-Z89646 represent the primers used in the method of the
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                Identifying polymorphic DNA sequences comprising forming heteroduplexes and isolating and amplifying mismatched heteroduplexes to form
                                                                                                         Plasmid pUC19 primer
                                                                                                                                                                                            AAZ89641 standard; DNA; 34 BP
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                AAZ89641 standard; DNA; 34 BP
                        WO200014282-A1
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              WO200014282-A1
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              Plasmid pUC19 primer
                                                                                                                                                                                                                                                                                         4 AGACCGATATCGGTCT
                                                                              puci9;
                                                                                                                                                                                                                                                                                                                                   Similarity
                                                                                                                                                                                                                                                                AGAGCGATATCGCTCT
                                                                                                                                                                                                                                                                                                                                                                           B₽;
                                                                                                                                                                                                                                                                                                                    Conservative
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           Page 24; 27pp; English.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           (first entry)
                                                                                                                                     (first entry)
                                                                              screening; polymorphism;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              98US-0099147
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Pred.
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No. 4
                                                                                                                                                                                                                                                                                                                                                                           0 other;
                                                                                                                                                                                                                                                                                                                   4.9e+03;
2;
                                                                                 mutation;
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                                                                                                                                                                                                                                                                                                                                                Length
                                                                                                                                                                                                                                                                                                                                                   34;
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RESULT 29
AAZ89642
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Best Local S
Matches 14
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            isolating and amplifying mismatched heteroduplexes to form amplicons, and determining the sequence of the amplicon. The methods are useful for identifying polymorphic DNA sequences and for comparing a reference DNA population with test populations for identifying sequences that are different (e.g. mutated sequences). The method allows large scale identification of polymorphic or mutated sequences in an individual. AAZ89641-Z89646 represent the primers used in the method of the
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          WPI;
         Disclosure; Page
                                                                                                                                                            31-AUG-1999;
                                                                                                                                                                                                       WO200014282-A1
                                                                                                                                                                                                                             Synthetic
                                                                                                                                                                                                                                                 Primer; pUC19;
                                                                                                                                                                                                                                                                      Plasmid pUC19 primer 2.
                                                                                                                                                                                                                                                                                            28-JUN-2000
                                                                                                                                                                                                                                                                                                                  AAZ89642
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                Sequence 34
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         This invention describes a novel method (I) for identifying polymorphic DNA sequences which comprises forming a population of heteroduplexes,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       Identifying polymorphic DNA sequences comprising forming heteroduplexes and isolating and amplifying mismatched heteroduplexes to form
                              amplicons
                                      Identifying polymorphic DNA sequences comprising forming heteroduplexes and isolating and amplifying mismatched heteroduplexes to form
                                                                                                                  (LYNX-) LYNX
                                                                                                                                                                                 16-MAR-2000
                                                                                                                                                                                                                                                                                                                                      AAZ89642 standard;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        Disclosure; Page 24; 27pp; English
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                                                                                                                   THERAPEUTICS INC
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                                                                                                                                                                                                                                                                                           (first entry)
                                                                                                                                                                                                                                                screening; polymorphism; mutation;
                                                                                                                                        98US-0099147.
                                                                                                                                                            99WO-US20047
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          24;
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Pred. No. 4.
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27pp; English

Query Match Best Local S Matches 14

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34; 0

Gaps

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RESULT 30
AAZ89642/c
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                                                                                     This invention describes a novel method (I) for identifying polymorphic DNA sequences which comprises forming a population of heteroduplexes, isolating and amplifying mismatched heteroduplexes to form amplicons, and determining the sequence of the amplicon. The methods are useful for identifying polymorphic DNA sequences and for comparing a reference DNA population with test populations for identifying sequences that are different (e.g. mutated sequences). The method allows large scale identification of polymorphic or mutated sequences in an individual. AAZ89641-Z89646 represent the primers used in the method of the
                                                                                                                                                                                                                                                                         Identifying polymorphic DNA sequences comprising forming heteroduplexes and isolating and amplifying mismatched heteroduplexes to form amplicons -
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   DNA sequences which comprises forming a population of heteroduplexes, isolating and amplifying mismatched heteroduplexes to form amplicons, and determining the sequence of the amplicon. The methods are useful for identifying polymorphic DNA sequences and for comparing a reference DNA population with test populations for identifying sequences that are different (e.g. mutated sequences). The method allows large scale identification of polymorphic or mutated sequences in an individual.
                                           Sequence
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                                                                                                                                                                                                                                                                       amplicons
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         Plasmid pUC19 primer
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                This invention describes a novel method (I) for identifying polymorphic DNA sequences which comprises forming a population of heteroduplexes,
                                                                          invention
                                                                                                                                                                                                                                                                                                                                                                                           (LYNX-) LYNX
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                                           BP;
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                                                                                                                                                                                                                                                                                                                                                                                             THERAPEUTICS INC
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58.2%;
87.5%;
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87.5%;
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                                           G; 8 T;
Score 12.8;
Pred. No. 4.
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No. 4.9e+03;
                                             0 other;
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              DB 21;
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RESULT 32
AA166435/c
ID AA1664
XX AA1664
XX AA1664
XX Human
XX Human
XX Human;
KW Human;
KW Probe;
XX PN CN1300
XX PD 27-JUN
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AAI66435
ID AAI66
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Best Local :
                                                                                                                                                                                                                                           Matches
                                                           Human; probe;
                                                                                                                                                                                                                                                                                                         The present invention provides the protein and coding sequences of human thrombotic protein 46. The sequences can be used in the treatment of cancer and HIV infection. The present sequence is a probe for the
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            probe;
    27-JUN-2001
                     CN1300774-A.
                                         Homo sapiens
                                                                                         Human thrombotic
                                                                                                             04-DEC-2001
                                                                                                                                AAI66435
                                                                                                                                                   AAI66435 standard;
                                                                                                                                                                                                                                                                                Sequence
                                                                                                                                                                                                                                                                                                                                                    Example 7; Page 20(Disclosure); 32pp; Chinese.
                                                                                                                                                                                                                                                                                                                                                                    New human thrombotic protein 46 and polynucleotide encoding it, useful for treating cancer and human immunodeficiency virus infection -
                                                                                                                                                                                                                                                                                                                                                                                                   WPI; 2001-530462/59
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       CN1300774-A.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         Homo sapiens
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      Human;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          Human thrombotic protein 46 coding sequence probe
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                                                                      thrombotic
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                                                                                                                                                                                                                                                   Similarity
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                                                                                                                                                                                                   GAGACGGATATCGTTC 41
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                                                                                         protein 46
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                                                                                                                                                                                                                                                  58.2%;
87.5%;
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                                                                     46; cancer; HIV infection; gene therapy;
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                                                                                       coding sequence probe
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RESULT 33
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                                                                                            Identifying polymorphic DNA sequences comprising forming heteroduplexes and isolating and amplifying mismatched heteroduplexes to form
                                                                                                                                       Brenner
                                                                                                                                                                                         31-AUG-1999;
                                                                                                                                                                                                                                            Synthetic
                                                                                                                                                                                                                                                                                                                                                                                                                                               Sequence 41 BP;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          New human thrombotic protein 46 and polynucleotide encoding it, for treating cancer and human immunodeficiency virus infection
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                                                                  Disclosure; Page 25; 27pp; English.
                                                                                   amplicons
                                                                                                                      WPI; 2000-257018/22.
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                                                                                                                                                                                                                                                                               Plasmid pUC19 primer
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                                                                                                                                                       (LYNX-) LYNX THERAPEUTICS INC
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                                                                                                                                                                                                                                                             screening; polymorphism; mutation;
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                                                                                           amplifying mismatched heteroduplexes
                                                                                                                                                                                                                                                                                                                                 DNA;
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This invention describes a novel method (I) for identifying polymorphic DNA sequences which comprises forming a population of heteroduplexes, isolating and amplifying mismatched heteroduplexes to form amplicons, and determining the sequence of the amplicon. The methods are useful for identifying polymorphic DNA sequences and for comparing a reference DNA population with test populations for identifying sequences that are different (e.g. mutated sequences). The method allows large scale

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RESULT 34
AAZ89643/c
RESULT 35
AAZ89644
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                                                                                                                        This invention describes a novel method (I) for identifying polymorphic DNA sequences which comprises forming a population of heteroduplexes, isolating and amplifying mismatched heteroduplexes to form amplicons, and determining the sequence of the amplicon. The methods are useful for identifying polymorphic DNA sequences and for comparing a reference DNA population with test populations for identifying sequences that are different (e.g. mutated sequences). The method allows large scale identification of polymorphic or mutated sequences in an individual. AA289641-Z89646 represent the primers used in the method of the
                                                                                                                                                                                                                             Identifying polymorphic DNA sequences comprising forming heteroduplexes and isolating and amplifying mismatched heteroduplexes to form amplicons -
                                                                                                                                                                                                                                                                                                                                                                                                                                                                        AAZ89643 standard; DNA; 43
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   Sequence 43
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                                                                         Similarity
                                                                                                   43
                                             AGACCGATATCGGTCT 19
                                AGAGCGATATCGCTCT 18
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                AGACCGATATCGGTCT 19
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   BP;
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                                                                  Conservative
                                                                                                                                                                                                                                                                                                                                                                                                                                     (first entry)
                                                                                                                                                                                                                                                                                                                                                                                                                    primer
                                                                                                                                                                                                                                                                                                                                                                                                    screening; polymorphism; mutation;
                                                                                                                                                                                                                                                                                                                  98US-0099147.
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                                                                                                   11
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   11 A; 10 C; 10 G; 12 T; 0 other;
                                                                                                  A; 10 C; 10 G;
                                                                         58.2%;
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                                                                         Score 12.8; DB 21;
Pred. No. 5e+03;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  Score 12.8;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          Pred. No. 5e+03;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  Mismatches
                                                                  Mismatches
                                                                                                  12
                                                                                                  T; 0 other;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  DB 21;
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AAZ89644/c
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Query Match
Best Local S
Matches 14
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                                                                         Synthetic
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           Sequence 43
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       Identifying polymorphic DNA sequences comprising forming heteroduplexes and isolating and amplifying mismatched heteroduplexes to form
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16-MAR-2000.
                                    WO200014282-A1
                                                                                                               Primer; pUC19;
                                                                                                                                                  Plasmid pUC19 primer 4.
                                                                                                                                                                                            28-JUN-2000
                                                                                                                                                                                                                                 AAZ89644;
                                                                                                                                                                                                                                                                       AAZ89644
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     Disclosure;
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           Plasmid pUC19 primer
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    invention.
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        2000-257018/22
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                                                                                                                                                                                                                                                                                                                                                                                                   AGACCGATATCGGTCT
                                                                                                                                                                                                                                                                     standard; DNA; 43
                                                                                                                                                                                                                                                                                                                                                                         AGAGCGATATCGCTCT
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             B₽;
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                                                                                                                                                                                          (first
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                                                                                                           screening;
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87.5%;
                                                                                                               polymorphism;
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                                                                                                                                                                                                                                                                        Human; K-ras; PCR primer; probe; capture probe; mutation detection; ligase detection reaction; LDR; p53; BRCA1; BRCA2; infectious disease; infection; 21 hydroxylase deficiency; Turner Syndrome; obbesity; cancer; oncogene; tumour suppressor; human papillomavirus; forensic; environmental monitoring; food industry; feed industry; ss.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          This invention describes a novel method (I) for identifying polymorphic DNA sequences which comprises forming a population of heteroduplexes, isolating and amplifying mismatched heteroduplexes to form amplicons, and determining the sequence of the amplicon. The methods are useful for identifying polymorphic DNA sequences and for comparing a reference DNA population with test populations for identifying sequences that are different (e.g. mutated sequences). The method allows large scale identification of polymorphic or mutated sequences in an individual. AAZ89541-Z89646 represent the primers used in the method of the
 Example
                                                                                                                                                                        04-APR-2001;
                                                                                                                                                                                                                                                    Synthetic
                           Designing capture oligonucleotide probes complementary oligonucleotides hybridize
                                                                   WPI; 2002-034366/04
                                                                                                                                              14-APR-2000; 2000US-197271P.
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                                                                                                                                                                                                                                                                                                                                                                                                            ABI90430
                                                                                                                                                                                                                                                                                                                                                                                                                                    ABI90430 standard; DNA;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        Sequence 43 BP; 11 A; 11 C;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            Disclosure; Page 25; 27pp; English
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                                                                                                                      (CORR )
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             (LYNX-) LYNX
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  Fig 25; 300pp; English
                                                                                            Zirvi
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      Conservative
                                                                                                                                                                        2001WO-US10958
                                                                                                                                                                                                                                                                                                                                                                                  (first entry)
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  58.2%;
                                                                                          Gerry NP,
                                                                                                                                                                                                                                                                                                                                                        Zip ID#4017 oligo #1.
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Pred. No. 5e+03;
                                                                                            Favis
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                           for use on a support to which with little mismatch -
                                                                                            Kliman
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           oligonucleotide probes (I) for use on a support to which complementary oligonucleotide probes (II) will hybridise with little mismatch, where (I) have melting temperatures within a narrow range. The method is useful for detecting infectious diseases caused by bacterial infectious agents e.g. Salmonella, Listeria monocytogenes and Haemophilus influenza, fungal infectious agents e.g. Cryptococcus neoformans, Candida albicans and Aspergillus fumigatutus, viruses e.g. T-cell lymphocytotrophis cirus, Epstein-Barr virus and polio virus, and parasitic infectious agents selected from Onchoverva volvulus, Entamoeba histolytica and Dracunculus medinesis. The method is also useful for detecting genetic diseases such as 21 hydroxylase deficiency, Turner Syndrome and obesity defects.
                                                                                                                                                                                                                                                                                                                                                                                     Human; K-ras; PCR primer; probe; capture probe; mutation detection; ligase detection reaction; LDR; p53; BRCA1; infectious disea infection; 21 hydroxylase deficiency; Turner Syndrome; obesity; cancer; oncogene; tumour suppressor; human papillomavirus; forensic environmental monitoring; food industry; feed industry; ss.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             p53 gene, human papillomavirus types 16 and 18 and liver cancers. The method is also used for environmental monitoring, forensics and the food and feed industry, detecting comprises scanning (using e.g. a scanning electron microscope and infrared microscope) the support at the particular sites and identifying if ligation of the oligonucleotide probe sets occurred and correlating (using a computer) identified ligation to a presence or absence of the target nucleotide sequences. ABIS2074 to
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            Detecting cancer involving oncogenes, tumour suppressor genes, or genes involved in DNA amplification, replication, recombination or repair, the cancer is specifically associated with a gene selected from BRCA1 gene, p53 gene, human papillomavirus types 16 and 18 and liver cancers. The method is also used for environmental monitoring, forensics and the food
                                                                                                                                                                                                                                        04-APR-2001; 2001WO-US10958
                                                                                                                                                                                                                                                                                                                                                      Synthetic
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                                                                                                                       Zirvi M,
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                                                                                                                                                                RES FOUND INC
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78.9%;
                                                                                                                           Gerry NP,
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                                                                                                                             Favis
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Example 5; Fig 25; 300pp; English

Designing capture oligonucleotide probes complementary oligonucleotides hybridize

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RESULT 39
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      (1) have melting temperatures within a narrow range. The method is useful for detecting infectious diseases caused by bacterial infectious agents e.g. Salmonella, Listeria monocytogenes and Haemophilus influenza, fungal infectious agents e.g. Cryptococcus neoformans, Candida albicans and Aspergillus funigautus, viruses e.g. T-cell lymphocytotrophis cirus, Epstein-Barr virus and polio virus, and parasitic infectious agents selected from Onchoverva volvulus, Entamoeba histolytica and Dracunculus medinesis. The method is also useful for detecting genetic diseases such as 21 hydroxylase deficiency, Turner Syndrome and obesity defects.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         Human; K-ras; PCR primer; probe; capture probe; mutation detection; ligase detection reaction; LDR; p53; BRCA1; BRCA2; infectious disease; infection; 21 hydroxylase deficiency; Turner Syndrome; obesity; cancer; oncogene; tumour suppressor; human papillomavirus; forensic; environmental monitoring; food industry; feed industry; ss.
Designing capture oligonucleotide probes complementary oligonucleotides hybridize
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78.9%;
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   for use on a support with little mismatch
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밁 5

Example 5; Fig 25; 300pp; English

Example 5; Fig 25; 300pp; English.

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RESULT 40
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ID ABI904
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   Human; N-100, N., Edition; LDR; p53; BRCA1; BNCA2; BNCA2; Injease detection reaction; LDR; p53; BRCA1; BNCA2; BNCA2; Infection; 21 hydroxylase deficiency; Turner Syndrome; obesity; cancer; oncogene; tumour suppressor; human papillomavirus; fore cancer; oncogene; fore cancer; fore cancer; fore cancer; fore cancer; for
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              Detecting cancer involving oncogenes, tumour suppressor genes involved in DNA amplification, replication, recombination or repair, the cancer is specifically associated with a gene selected from BRCA1 gene, p53 gene, human papillomavirus types 16 and 18 and liver cancers. The method is also used for environmental monitoring, forensics and the food and feed industry, detecting comprises scanning (using e.g. a scanning electron microscope and infrared microscope) the support at the particular sites and identifying if ligation of the oligonucleotide probe sets occurred and correlating (using a computer) identified ligation to a presence or absence of the target nucleotide sequences. ABI82074 to ABI97546 represent oligonucleotide sequences used in the exemplification of the present invention.
                                             Designing capture oligonucleotide probes complementary oligonucleotides hybridize
                                                                                                                                                                                                                                                                                                                 14-APR-2000; 2000US-197271P.
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The present invention describes a method (M1) for designing capture CC oligonucleotide probes (II) will hybridise with little mismatch, where C(I) have melting temperatures within a narrow range. The method is useful CC for detecting infectious diseases caused by bacterial infectious agents CC e.g. Salmonella, Listeria monocytogenes and Haemophilus influenza, fungal CC infectious agents e.g. Cryptococcus neoformans, Candida albicans and CR Aspergillus funiquatus, viruses e.g. T-cell lymphocytotrophis cirus, CC Epstein-Barr virus and polio virus, and parasitic infectious agents CC selected from Onchoverva volvulus, Entamoeba histolytica and Dracunculus CC medinesis. The method is also useful for detecting genetic diseases such CC as 21 hydroxylase deficiency, Turner Syndrome and obesity defects.

CC petecting cancer involving oncogenes, tumour suppressor genes, or genes involved in DNA amplification, replication, recombination or repair, the CC cancer is specifically associated with a gene selected from BRCA1 gene, companies also used for environmental monitoring, forensics and the food and feed industry, detecting comprises scanning (using e.g. a scanning CC electron microscope and infrared microscope) the support at the cCC gets occurred and correlating (using a computer) identified ligation to a presence or absence of the target nucleotide sequences. ABIS2074 to of the present invention.
of the present invention.
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Sequence 24 BP; 5 A; 8 C; 7 G; 4 T; 0 other;

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Best Local Similarity
Matches 15; Conserv
19 CTGGGACCCATACGGGTCT 1
          1 CTGAGACCGATATCGGTCT 19
                     Conservative
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Sequence 5, Appli Sequence 9, Appli Sequence 9, Appli Sequence 9, Appli	equence 2,	equence 2, equence 2.	equence 2,	equence 18	equence 4,	equence 45	equence 45	equence 54	equence 6,	equence 22	equence 22	equence 497, Ap	equence 4,	equence 4,	equence 22,	equence 22,	quence 6,	quence 6,	quence 4,	quence 4,	quence 4,	quence 31,	quence 31	Sequence 7, Appli	quence 6,	quence zi,	quence 21,	quence 34,	quence 3	quence 19,	quence 1,	quence 1,	quence 39	quence 39	quence 51	quence 62	quence 62	quence	quence 38	quenc	quence 62,	quence 62,	quence 38,	quence 38,	quence 62.	equence so,	quence	equence 10,	equence 10, App	equence 8				
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US-09-042-353-391
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        PRIOK AFFILIATION NUMBER: US 08/05,222
FILING DATE: 26-APR-1993
PRIOR APPLICATION DATA:
PRIOR APPLICATION DATA:
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                                                                                                                                                              FILING DATE: 18-MAR-1992
PRIOR APPLICATION DATA:
APPLICATION NUMBER: US 07/904,068
FILING DATE: 23-JUN-1992
PRIOR APPLICATION DATA:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        ZIP: 94111-3834
COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
                                                                                                     FILING DATE: 16-DEC-PRIOR APPLICATION DATA:
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APPLICATION NUMBER: US 0.
FILING DATE: 18-MAR-1992
                                                                                                                                                                                                                                                                                                                      PRIOR APPLICATION DATA:
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FILING DATE: 17-DEC-1991
                                                                                                                                                                                                                                                                                                                                                                                                                                               CURRENT APPLICATION DATA:
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CORRESPONDENCE ADDRESS:
ADDRESSEE: Townsend and
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             APPLICANT: Lonberg, Nile
APPLICANT: Kay, Robert M.
TITLE OF INVENTION: Transgenic No. 6255458-Human Anima
TITLE OF INVENTION: Producing Heterologous Antibodies
                                                                                                                                                                                                                                                                                                                                                                               APPLICATION NUMBER: US/09/042,353
FILING DATE: 13-MAR-1998
CLASSIFICATION: 800
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           STREET: Two business
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
                                                                                                                                                 APPLICATION NUMBER:
  APPLICATION NUMBER: FILING DATE: 22-JU
                                                                                                                                                                                                                                                                                                                                                                                                                                                                       SOFTWARE:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              COUNTRY:
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0. 6255458
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Two Embarcadero Center, Eighth Floor
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22-JUL-1993
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                                                                                                                                                 US 07/990,860
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US-09-407-562-14

US-09-375-318-49

US-09-375-318-49

US-09-122-400B-19

US-09-122-400B-19

US-08-356-405-11

US-08-356-405-11

US-08-910-629A-58

US-08-910-629A-58

US-08-910-629A-58

US-09-289-368-52

US-09-289-368-52
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US-08-709-209-41

US-08-709-209-41

US-08-458-101-41

US-08-458-101-41

US-08-458-101-41

US-08-970-269A-14
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US-09-042-353-391/c
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PRIOR APPLICATION DATA:

APPLICATION UNMBER: US 08/728,463

FILING DATE: 10-OCT-1996

PRIOR APPLICATION DATA:

APPLICATION UNMBER: WO PCT/US96/16433

FILING DATE: 10-OCT-1996

PRIOR APPLICATION DATA:

PRIOR APPLICATION DATA:
                                                                                                                                                                                  GENERAL INFORMATION:
APPLICANT: Lonberg, Nils
APPLICANT: Kay, Robert M.
TITLE OF INVENTION: Transgenic No.
TITLE OF INVENTION: Producing Herei
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          TELEFAX: (415) 576-0300 INFORMATION FOR SEQ ID NO: SEQUENCE CHARACTERISTICS:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          APPLICATION NUMBER: US 08/
FILING DATE: 02-DEC-1996
PRIOR APPLICATION DATA:
APPLICATION NUMBER: WO PCT
FILING DATE: 01-DEC-1997
ATTORNEY/AGENT INFORMATION:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    FILING DATE: 18-NOV-19
PRIOR APPLICATION DATA:
APPLICATION NUMBER: US
FILING DATE: 03-DEC-15;
PRIOR APPLICATION DATA:
APPLICATION NUMBER: US
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     NAME: Apple, Randolph T.
REGISTRATION NUMBER: 36,429
REFERENCE/DOCKET NUMBER: 014
TELECOMMUNICATION INFORMATION:
TELECHONE: (415) 576-0200
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               APPLICATION NUMBER: US 08/352,322
FILING DATE: 07-DEC-1994
PRIOR APPLICATION DATA:
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FILING DATE: 09-MAR-
PRIOR APPLICATION DATA:
  COMPUTER READABLE FORM
                                                                                                     CORRESPONDENCE ADDRESS:
ADDRESSEE: Townsend and
STREET: Two Embarcadero
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PRIOR APPLICATION DATA:
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                                                                                                                                                                         NUMBER OF SEQUENCES:
  COUNTRY: USA
TID: 94111-3834
                                                               CITY:
STATE:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      TYPE: nucleic acid
STRANDEDNESS: single
TOPOLOGY: linear
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16; Conserv
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                                                                                   San Francisco
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76.2%;
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                                                                                                       Townsend and Crew LLP Center, Eighth Floor
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                                                                                                                                                                                        No. 6255458-Human Animals
Heterologous Antibodies
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PRIOR APPLICATION DATA:

APPLICATION NUMBER:

CATION DATA:

18-MAR-1992

US 07/853,408

APPLICATION NUMBER: US 0' FILING DATE: 17-DEC-1991

US 07/810,279

PRIOR APPLICATION DATA:

CURRENT APPLICATION DATA

OPERATING SYSTEM:

IBM PC compatible

PC-DOS/MS-DOS

Floppy disk

SOFTWARE:

PatentIn Release #1.0, Version #1.30

MEDIUM TYPE:

APPLICATION NUMBER: FILING DATE: 13-MAI

13-MAR-1998

US/09/042,353

0

Gaps

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; MOLECULE TYPE: US-09-042-353-391
 Query Match
                                                                                                                             NFORMATION FOR SEQ ID NO:
                                                                                               SEQUENCE CHARACTERISTICS LENGTH: 44 base pairs
                                                                                                                                                                    TELECOMMUNICATION INFORMATION:
                                                       TOPOLOGY:
                                                                   STRANDEDNESS
                                                                                                                                                    TELEPHONE:
                                                                                                                                           (415)
                                                                                                                                                       (415) 576-0200
                                                                   single
                                                                                                                                        576-0300
59.1%;
Score 13;
DB 4;
Length 44;
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59.1%; Score 13; DB 4;

Length 44;

PRIOR APPLICATION DATA:
APPLICATION NUMBER: WO PCT/US96/16433
FILING DATE: 10-OCT-1996

APPLICATION NUMBER:

JMBER: US 08/728,463 10-OCT-1996

APPLICATION DATA:

10-OCT-1995

US 08/544,404

PRIOR APPLICATION DATA:

APPLICATION NUMBER:

DATE:

09-MAR-1994

US 08/209,741

APPLICATION DATA:

10-DEC-1993

US 08/165,699

APPLICATION NUMBER:

07-DEC-1994

US 08/352,322

PRIOR APPLICATION DATA:

APPLICATION NUMBER:

PRIOR APPLICATION DATA:

APPLICATION NUMBER:

DATE:

02-DEC-1996

US 08/758,417

ATTORNEY/AGENT INFORMATION:

01-DEC-1997

WO PCT/US97/21803

APPLICATION NUMBER:

APPLICATION DATA:

REFERENCE/DOCKET NUMBER: NAME: Apple, Randolph REGISTRATION NUMBER: 3

36,429

014643-009040US

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US-08-758-417A-241
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US-08-758-417A-241
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GENERAL INFORMATION:
Query Match
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              Best Local Similarity 76.
                                                                                                                                                                                     INFORMATION FOR SEQ ID NO:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      ZIP: 94111-3834
COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
                                                       MOLECULE TYPE: DNA SEQUENCE DESCRIPTION: SEQ ID NO: 241:
                                                                                                                                                                    SEQUENCE CHARACTERISTICS
                                                                                                                                                                                                                                               TELECOMMUNICATION INFORMATION:
                                                                                                                                                                                                                                                                                                                        ATTORNEY/AGENT INFORMATION:
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      CURRENT APPLICATION DATA:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           Kay, Robe TITLE OF INVENTION:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      CORRESPONDENCE ADDRESS:
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                                                                                                                                                                                                                                                                                  NAME: Serafini, Andrew T. REGISTRATION NUMBER: 41,303
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               CLASSIFICATION: <Unknown>
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: Patentin Release #1.0, Version
                                                                                                            STRANDEDNESS: single
                                                                                                                                                                                                                                                                  REFERENCE/DOCKET NUMBER: 014643-009030US
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 APPLICATION NUMBER: US/08/758,417A FILING DATE: 02-Dec-1996
                                                                                                                                                                                                             TELEFAX:
                                                                                                                                                                                                                           TELEPHONE:
                                                                                                                                                                                                                                                                                                                                                                                                 APPLICATION NUMBER: US 08/053,131
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              ADDRESSEE: Townsend and Townsend and Crew LLP STREET: Two Embarcadero Center, Eighth Floor
                                                                                                                                                                                                                                                                                                                                                                                                                       FILING DATE:
                                                                                                                                                                                                                                                                                                                                                                                                                                      APPLICATION NUMBER: US 08/096,762
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                APPLICATION NUMBER: US 08/161,739
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              ILING DATE: 10-OCT-1995
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PILING DATE: 10-OCT-1996
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      Application US/08758417A
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   LING DATE: 09-MAR-1994
PLICATION NUMBER: US 08/165,699
                                                                                                                                                                                                                                                                                                                                                                                                                                                                      JING DATE: 03-DEC-1993
LICATION NUMBER: US 08/155,301
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            PLICATION NUMBER: US 08/352,322
ING DATE: 07-DEC-1994
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     ING DATE:
                                                                                                                                                                                                                                                                                                                                          LICATION NUMBER: US 07/990,860
ING DATE: 16-DEC-1992
                                                                                                                                                                                                                                                                                                                                                                                                                                                          ING DATE:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              : San Francisco
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                                                                                                                                                                                                           (415)
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                                                                                                                                                                                                                               (415)
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                                                                                                                                                                                                           576-0300
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           Transgenic No. 6300129-Human Animals
                                                                                                                                                                                                                                                                                                  Andrew T
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PRIOR APPLICATION DATA:
APPLICATION NUMBER: US 08/155,301
FILING DATE: 18-NOV-1993

PRIOR APPLICATION DATA:

FILING DATE: APPLICATION NUMBER:

22-JUL-1993

US 08/096,762

PRIOR APPLICATION DATA:

APPLICATION NUMBER:

US 07/990,860

APPLICATION DATA:

FILING DATE: APPLICATION NUMBER:

23-JUN-1992

US 07/904,068

APPLICATION NUMBER: FILING DATE: 16-DEC-1992

FILING DATE:

26-APR-1993

US 08/053,131

PRIOR APPLICATION DATA:

APPLICATION NUMBER:

03-DEC-1993

US 08/161,739

PRIOR APPLICATION DATA:

APPLICATION NUMBER:

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RESULT 4
US-08-758-417A-241/c
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                                       US-08-758-417A-241
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GENERAL INFORMATION:
Query Match
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                                                                                                                                                              TELEFAX: (415) 576-03
INFORMATION FOR SEQ ID NO: 241:
SEQUENCE CHARACTERISTICS:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      PRIOR APPLICATION DATA:
APPLICATION NUMBER: US 08/728,463
FILING DATE: 10-0CT-1996
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           CORRESPONDENCE ADDRESS:
ADDRESSEE: Townsend and Townsend and Crew LLP
STREET: Two Embarcadero Center, Eighth Floor
CITY: San Francisco
STATE: California
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         Kay, Robert M.
TITLE OF INVENTION: Transgenic No. 6300129-Human Animals for
Producing Heterologous Antibodies
                                                    TOPOLOGY: line
MOLECULE TYPE: DNA
SEQUENCE DESCRIPTION
                                                                                                                                                                                                                                   NAME: Serafini, Andrew T.
REGISTRATION NUMBER: 41,303
REFERENCE/DOCKET NUMBER: 014643-009030US
TELECOMMUNICATION INFORMATION:
                                                                                                                                                                                                                                                                                                             ATTORNEY/AGENT INFORMATION:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   CURRENT APPLICATION DATA:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            APPLICANT: Lonberg, Nils
Kay, Robert M
                                                                                                         TYPE: nucleic acid
STRANDEDNESS: single
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                COMPUTER: IBM PC compatible OPERATING SYSTEM: PC-DOS/MS-DOS SOFTWARE: PatentIn Release #1.0,
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              APPLICATION NUMBER: US/08/758,417A FILING DATE: 02-Dec-1996
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      APPLICATION NUMBER: US 08/544,404 FILING DATE: 10-OCT-1995
                                                                                                                                             LENGTH: 44 base pairs
                                                                                                                                                                                                                                                                                                                              APPLICATION NUMBER: US 07/990,860 FILING DATE: 16-DEC-1992
                                                                                                                                                                                                                    CELEPHONE:
                                                                                                                                                                                                                                                                                                                                                                   FILING DATE: 26-APR-1993
                                                                                                                                                                                                                                                                                                                                                                                    APPLICATION NUMBER: US 08/053,131
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              PPLICATION NUMBER:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                PPLICATION NUMBER: US 08/209,741 ILING DATE: 09-MAR-1994
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                PPLICATION NUMBER: US 08/165,699
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     PPLICATION NUMBER: US 08/352,322
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                ASSIFICATION: <Unknown>
                                                                                                                                                                                                                                                                                                                                                                                                       LING DATE: 22-JUL-1993
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    LING DATE: 07-DEC-1994
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                                                      DESCRIPTION: SEQ ID
                                                                                                                                                                                                                                                                                                                                                                                                                      CATION NUMBER: US 08/096,762
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                                                                                      linear
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0; Mismatches 5;
 Score 13;
                                                      NO:
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 DB 4;
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 Length 44;
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                                                                                                                                                                                                                                                                                                                                                                   Best Local
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   STREET:
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                    ADDRESSEE:
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US-08-235-503B-61/c
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                                                                                                                           GENERAL INFORMATION:
APPLICANT: Peterso
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            ATTORNEY/AGENT INFORMATION:
NAME: Osman, Richard A
REGISTRATION UNMBER: 36,627
REFERENCE/DOCKET NUMBER: A-55
TELECOMMUNICATION INFORMATION:
TELEPHONE: (415) 781-1989
TELEFAX: (415) 398-3249
                                                                                APPLICANT: Peterson, Michael APPLICANT: Baichwal, Vijay R APPLICANT: Strulovici, Berta
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          COMPUTER READABLE FORM:

MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
OPETWARE. PLANT PLANT
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APPLICANT: Baichwal, Vijay R
APPLICANT: Strulovici, Berta
TITLE OF INVENTION: TRANSCRIPTION FACTOR-DNA ASSAY
NUMBER OF SEQUENCES: 75
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            SEQUENCE CHARACTERISTICS
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            SOFTWARE: PatentIn Rel CURRENT APPLICATION DATA:
                                   CORRESPONDENCE ADDRESS
                                                      NUMBER OF SEQUENCES:
                                                                        TITLE OF INVENTION:
                                                                                                                                                                                                                                                                                                                                                                                                                                        MOLECULE TYPE:
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                    TYPE: nucleic
STRANDEDNESS:
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San Francisco
                                                                                                                                                                                                                                                                                                                                                                                                                                                                      nucleic acid
EDNESS: single
                                                                                                                                                                                                                                                                           CTGGTACCGAAAACGGTACCAG 26
                                                                                                                                                                                                                                                                                                           CTGAGACCGATATCGGTCTCAG 22
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E: FLEHR, HOHBACH, TEST, ALBRITTON & HERBERT 4 Embarcadero Center, Suite 3400
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       30 base pairs
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                                                                                                                                                                                                                                                                                                                                                             56.4%;
72.7%;
                                                                        TRANSCRIPTION FACTOR-DNA ASSAY
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0; Mismatches ·5
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Pred. No. 7
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San Francisco

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GENERAL INFORMATION:
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   Query Match
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            NAME: OSMAN, RIGHAL 36,627
REGISTRATION NUMBER: 36,627
REFERENCE/DOCKET NUMBER: A-59
TELECOMMUNICATION INFORMATION:
"""IEPHONE: (415) 781-1989
                                             PRIOR APPLICATION DATA:
APPLICATION NUMBER: US 08/235
APPLICATION NUMBER: US 08/235
FILING DATE: 29-APR-1994
ATTORNEY/AGENT INFORMATION:
NAME: Osman, Richard A
REGISTRATION NUMBER: 36,627
REFERENCE/DOCKET NUMBER: FP-5
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             TELEFAX: (415) 398-3249
TELEX: 910 277299
INFORMATION FOR SEQ ID NO: (
                                                                                                                                                                                                                                                                                          COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       TOPOLOGY: linear MOLECULE TYPE: cDNA
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
COMPUTER: FC-DOS/MS-DOS
OPERATING SYSTEM: PC-DOS/MS-DOS
              TELEPHONE: (415) 781-1989
                                                                                                                                                                                                                           CURRENT APPLICATION DATA:
                                                                                                                                                                                                                                                                                                                                                                                                                                                      TITLE OF INVENTION:
NUMBER OF SEQUENCES:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            SEQUENCE CHARACTERISTICS
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 CLASSIFICATION: 435
ATTORNEY/AGENT INFORMATION:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  SOFTWARE: PatentIn Release #1.0, Version #1.25
CURRENT APPLICATION DATA:
                                                                                                                                                                                                                                                                                                                                                                                                                                     CORRESPONDENCE ADDRESS:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    APPLICANT: TULARIK, INC
                                                                                                                                                                                                                                                                                                                                                                  STREET: 4 butter CITY: San Francisco
                                                                                                                                                                                          APPLICATION NUMBER: FILING DATE:
                                                                                                                                                                                                                                       COMPUTER: IBM PC compatible OPERATING SYSTEM: PC-DOS/MS-DOS SOFTWARE: PatentIn Release #1.0,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    TYPE: nucleic acid
STRANDEDNESS: single
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     APPLICATION NUMBER: US/0 FILING DATE: 29-APR-1994
                                                                                                                                                                        CLASSIFICATION:
                                                                                                                                                                                                                                                                                                                                                COUNTRY:
                                                                                                                                                                                                                                                                                                                                                                                                                     ADDRESSEE:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          ENGTH:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               26 CTGGTACCGTTTTCGGTACCAG 5
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                                                                                                                                                                                                                                                                                                                                                                California
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                                                                                                                                                                                                                                                                                                                                                                                                   4 Embarcadero Center, Suite 3400
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          30 base pairs
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(415) 398-3249
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                                                                                                                                                                                                                                                                                                                                                                                                                     FLEHR,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 56.4%;
72.7%;
                                                                                                                                                                                                                                                                                                                                                                                                                                                      TRANSCRIPTION FACTOR-DNA BINDING ASSAY 74
                                                                                                                                                                                                                                                                                                                                                                                                                   HOHBACH, TEST, ALBRITTON & HERBERT
                                                                                                                                     US 08/235,503
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                                                  FP-59232-PC/RAO
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Pred. No. 7
                                                                                                                                                                                                                                           Version
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                                                     Matches
                                                                             Query Match
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Best Local :
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                                                                                                                                                                                          TELEX: 910 277299
INFORMATION FOR SEQ ID NO:
SEQUENCE CHARACTERISTICS:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                     COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
                                                                                                                                                                                                                                    REFERENCE/DOCKET NUMBER: PP
TELECOMMUNICATION INFORMATION:
TELEPHONE: (415) 781-1989
TELEPAX: (415) 398-3249
                                                                                                                                                                                                                                                                                                                   ATTORNEY/AGENT INFORMATION:
                                                                                                                                                                                                                                                                                                                                                PRIOR APPLICATION DATA:
APPLICATION NUMBER:
                                                                                                                                                                                                                                                                                                                                                                                                                  COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: PatentIn Release #1.0, Version #1.25
CURRENT APPLICATION DATA:
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                                                                                                                         MOLECULE TYPE:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             ALLILE OF INVENTION: TRANSCRIPTION FACTOR-DNA BINDING ASSAY NUMBER OF SEQUENCES: 74
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   CORRESPONDENCE ADDRESS
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       MOLECULE TYPE:
                                                                  Local
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TOPOLOGY: lir
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                                                                                                                                                                                                                                                                                         REGISTRATION NUMBER:
                                                                                                                                                                                                                                                                                                                                                                           CLASSIFICATION:
                                                                                                                                                                                                                                                                                                                                                                                        APPLICATION NUMBER: FILING DATE:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  STATE:
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                                                                                                                                                                                                                                                                                                         NAME:
                                                                                                                                                                                                                                                                                                                                   FILING DATE:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  COUNTRY:
                                                                                                                                                                             LENGTH:
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26
                                                     16;
                         1 CTGAGACCGATATCGGTCTCAG 22
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                                                                                                                                                nucleic acid
EDNESS: single
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San Francisco
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EDNESS: single
CTGGTACCGTTTTCGGTACCAG 5
                                                                                                                                                                                                                                                                                                        Osman, Richard A
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             CTGGTACCGAAAACGGTACCAG 26
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                                                                                                                                                                             30 base pairs
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                                                     Conservative
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                                                                                                                                      linear
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72.7%;
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Pred. No. 7
                                                                Score 12.4; DB 5;
Pred. No. 7.8e+02;
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                                                     Mismatches
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                                                                             Length 30;
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RESÚLT 9 US-08-956-047-22

Sequence 22, Application US/08956047

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                                                                                                                                                                                                                                      Patent No.
                                                                                                                                                                                                                                                                                                                                                                                                                                                       Query Match
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INFORMATION FOR SEQ ID NO:
SEQUENCE CHARACTERISTICS:
                                                                                                                                                            APPLICANT:
APPLICANT:
APPLICANT:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: ISM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: Patentin Release #1.0, Version #1.25
CURRENT APPLICATION DATA:
                                CORRESPONDENCE ADDRESS:
ADDRESSEE: Finnegan, Henderson, Farabow,
STREET: 1300 I Street, N.W., Suite 600
                                                                                                       APPLICANT: Fritz, Hans-Joachim APPLICANT: Hennecke, Frank APPLICANT: Kolmar, Harald TITLE OF INVENTION: Genetic SeTITLE OF INVENTION: Transductic TITLE OF INVENTION: Capable of
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       REFERENCE/DOCKET NUMBER: 0559
TELECOMMUNICATION INFORMATION:
TELEPHONE: 202-408-4000
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      ATTORNEY/AGENT INFORMATION:
NAME: Pohlman, Sandra M.
REGISTRATION NUMBER: P39,691
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 APPLICANT: KOLMAY, H
TITLE OF INVENTION:
TITLE OF INVENTION:
TITLE OF INVENTION:
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PRIOR APPLICATION DATA:
                                                                                        NUMBER OF SEQUENCES:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    CORRESPONDENCE ADDRESS:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    TOPOLOGY: 11110
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               APPLICATION NUMBER: US 08/257,669
FILING DATE: 08-JUN-1994
APPLICATION NUMBER: DE P 43 19 296.3
FILING DATE: 10-JUN-1993
CLASSIFICATION: 435
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           APPLICATION NUMBER: US/08/956,047 FILING DATE: 22-OCT-1997
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                                                                                                                                                                                                                                                                                                                                                                                                                                        Local
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                                                                                                                                                                                                                                    22, Application US/08956047
>. 5882924
                                                                                                                                                                                                                   INFORMATION:
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13; Conserv
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Washington D.C.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               : 32 base pairs
                                                                                                                                                                                                                                                                                                                                                                                 CGATATCGGTCTCA 21
                                                                                                                                                                                                                                                                                                                                               CGATATCGTTCTCA 22
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            USA
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ilarity 92.9%;
Conservative
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Kolmar, Harald
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            DNA (genomic)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            single
                                                                                                   Genetic Selection, by Means of Signal
Transduction in Microorganisms, of Proteins Which are
Capable of Ligand Binding
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    Genetic Selection, by Means of Signal
Transduction in Microorganisms, of Proteins Which
Capable of Ligand Binding
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Pred. No. 7.8e+02;
0; Mismatches 1
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                                                    Garrett & Dunner
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RESULT 11
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; MOLECULE TYPE:
US-08-956-047-22
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        Best Loc
Matches
                                                                                                                                                                                                                                                                                                                                                                                                                                                      Sequence 1, Applic
Patent No. 5686579
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                                                                                                                                                                                                                                                                                                                                                                                                                                      GENERAL INFORMATION:
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         CLASSIFICATION: 435
PRIOR APPLICATION DATA:
APPLICATION NUMBER: US 08/257,669
FILLING DATE: 08-JUN-1994
APPLICATION NUMBER: DE P 43 19 29
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MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
COMPUTER: IBM PC COMPATIONS
OPERATING SYSTEM: PC-DOS/MS-DOS
                                                            APPLICATION NUMBER: UFILING DATE: CLASSIFICATION: 530 PRIOR APPLICATION DATA:
                                                                                                                                  COMPUTER: IBM PC compatible OPERATING SYSTEM: PC-DOS/MS-DOS SOTTWARE: PatentIn Release #1.0, CURRENT APPLICATION DATA:
                                                                                                                                                                                                  COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
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TELECOMMUNICATION INFORMATION:
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              SOFTWARE: PatentIn Release #1.0, CURRENT APPLICATION DATA:
                                                                                                                                                                                                                                                                                                                     CORRESPONDENCE ADDRESS:
                                                                                                                                                                                                                                                                                                                                                      TITLE OF INVENTION: Use of Antibody/Anti
TITLE OF INVENTION: Protect or Modulate
                                                                                                                                                                                                                                                                                                                                                                                                                        APPLICANT:
                                                                                                                                                                                                                                                                                                                                       NUMBER OF SEQUENCES:
                                                                                                                                                                                                                                                   STREET: 3000
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                             APPLICATION NUMBER: US 08/081,410 FILING DATE: 22-JUN-1993
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                 APPLICATION NUMBER:
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13; Conserv
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22-OCT-1997
V. ^^-
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MBER: US 0
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                                                                                                                                                                                                                                                                                                                                                   Use of Antibody/Antigen Interactions To Protect or Modulate Biological Activity
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92.9%;
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                 07/938,505
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Pred. No. 7
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                                                                                                                                                                                                                                                                                      Suite 500
                                                                                                                                                   Version #1.25
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ATTORNEY/AGENT INFORMATION:

PRIOR APPLICATION DATA:

APPLICATION NUMBER: FILING DATE: 21-JUN

21-JUN-1988

US 07/205,748

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RESULT 12
US-08-447-422-1/c
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APPLICATION NUMBER: US 07/938,505
FILING DATE: 31-AUG-1992
PRIOR APPLICATION DATA:
APPLICATION NUMBER: US 07/205,748
FILING DATE: 21-JUN-1988
ATTORNEY/AGENT INFORMATION:
NAME: BENT, Stephen A.
REGISTRATION NUMBER: 29,768
REFERENCE/DOCKET NUMBER: 17923/102 HYLI
TELECOMMUNICATION INFORMATION:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          GENERAL INFORMATION:
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                                                                                                                                                                                                                                                                     MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: Patentin Release #1.0, Version #1.25
CURRENT APPLICATION DATA:
                                                                                                                                                                                                                                                                                                                              COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy COMPUTER: IBM PC com
                                                                                                                                                                                                           PRIOR APPLICATION DATA:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                 TITLE OF INVENTION: Use of Antibody/Antigen Interactions TO TITLE OF INVENTION: Protect or Modulate Biological Activity NUMBER OF SEQUENCES: 15
CORRESPONDENCE ADDRESS:
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    APPLICANT: RAMJEESINGH, Mohabir
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TELEFAX: \_
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LOCATION: 29
OTHER INFORMATION: /mod_base= i
                                                                                                                                                                        APPLICATION NUMBER: US 0 FILING DATE: 22-JUN-1993
                                                                                                                                                                                                                                             APPLICATION NUMBER: FILING DATE:
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REFERENCE/DOCKET NUMBER: 17923/102 HYLI
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                                                                                                                                                                                                                               CLASSIFICATION:
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3000 K Street, N.W.,
ashington, D.C.
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Pred. No. 1
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RESULT 14
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                                                             Sequence 8, Application US/09213053
Patent No. 6159477
GENERAL INFORMATION:
APPLICANT: AUDONNET, Jean-Christophe
APPLICANT: BAUDU, Philippe
TITLE OF INVENTION: CANINE HERPESVIRUS BASED RECOMBINANT
TITLE OF INVENTION: PARTICULAR AGAINST CANINE DISTEMPER,
TITLE OF INVENTION: PARAINFLUENZA 2 VIRUS
                                                                                                                                                                                                                                                                                                                                                                 Matches
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Best Local
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LENGTH: 33
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Best Local Similarity
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APPLICANT: BAUDU, Philippe
TITLE OF INVENTION: CANNINE HERPESVIRUS BASED RECOMBINANT
TITLE OF INVENTION: PARTICULAR AGAINST CANNINE DISTEMPER,
TITLE OF INVENTION: PARAINFLUENZA 2 VIRUS
FILE REFERENCE: 454313-2200
CURRENT APPLICATION NUMBER: US/09/213,053
CCURRENT FILING DATE: 1998-12-16
EARLIER APPLICATION NUMBER: 9608242
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EARLIER FILING DATE: 1997-06-23
NUMBER OF SEQ ID NOS: 31
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               CURRENT APPLICATION NUMBER: US/09/213,053
CURRENT FILING DATE: 1998-12-16
                                                 FILE REFERENCE: 454313-2200
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ARLIER APPLICATION NUMBER: 9608242
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              ORGANISM: Artificial Sequence
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LENGTH: 33 base pairs
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OTHER INFORMATION:
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STRANDEDNESS: single
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Pred. No. 1
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RESULT 16
US-09-213-053-9/c
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Patent No. 6159477
GENERAL INFORMATION:
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Best Local
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Patent No. 6159477
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Best Local
                                             APPLICANT: AUDONNET, Jean-Christophe
APPLICANT: BAUDU, PHILIPPE
TITLE OF INVENTION: CANINE HERPESVIRUS BASED RECOMBINANT LIVE VACCINE,
TITLE OF INVENTION: PARTICULAR AGAINST CANINE DISTEMPER, RABIES OR THE
TITLE OF INVENTION: PARAINFLUENZA 2 VIRUS
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      APPLICANT: AUDONNET, Jean-Christophe
APPLICANT: BAUDU, Philippe
TITLE OF INVENTION: CANINE HERPESVIRUS BASED RECOMBINANT LIVE VACCINE,
TITLE OF INVENTION: PARTICULAR AGAINST CANINE DISTEMPER, RABIES OR THE
TITLE OF INVENTION: PARAINFLUENZA 2 VIRUS
FILE REFERENCE: 454313-2200
CURRENT APPLICATION UNMEER: US/09/213,053
CURRENT FILING DATE: 1998-12-16
EARLIER APPLICATION NUMBER: 9608242
EARLIER APPLICATION NUMBER: 9CT/FR97/01115
EARLIER APPLICATION NUMBER: PCT/FR97/01115
EARLIER FILING DATE: 1997-06-23
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EARLIER APPLICATION NUMBER: PCT/FR97/01115
EARLIER FILING DATE: 1997-06-23
NUMBER OF SEQ ID NOS: 31
SOFTWARE: Patentin Ver. 2.1
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     SOFTWARE: PatentIn Ver. 2.1
CURRENT FILING
          FILE REFERENCE: 454313-2200
CURRENT APPLICATION NUMBER: US/09/213,053
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ORGANISM: Artificial Sequence
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1998-12-16
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Pred. No. 1e+03;
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RESULT 18
US-09-213-053-28/c
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CURRENT APPLICATION NUMBER: US/09/213,053

CURRENT FILING DATE: 1998-12-16

EARLIER APPLICATION NUMBER: 9608242

EARLIER FILING DATE: 1996-06-27

EARLIER APPLICATION UMBER: PCT/FR97/01115

EARLIER FILING DATE: 1997-06-23

NUMBER OF SEQ ID NOS: 31
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Best Local S
Matches 14
                                                                                                                Sequence 28, Application US/09213053 Patent No. 6159477 GENERAL INFORMATION:
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LENGTH: 39
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Patent No. 6159477
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          APPLICANT: AUDONNET, Jean-Christophe
APPLICANT: BAUDU, Philippe
TITLE OF INVENTION: CANINE HERPESVIRUS BASED RECOMBINANT
TITLE OF INVENTION: PARTICULAR AGAINST CANINE DISTEMPER,
TITLE OF INVENTION: PARAINFLUENZA 2 VIRUS
FILE REFERENCE: 454313-2200
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   TITLE OF INVENTION: CANINE HERPESVIRUS BASED RECOMBINANT TITLE OF INVENTION: PARTICULAR AGAINST CANINE DISTEMPER, TITLE OF INVENTION: PARAINFLUENZA 2 VIRUS
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EARLIER FILING DATE: 1996-06-27
EARLIER APPLICATION NUMBER: PCT/FR97/01115
EARLIER FILING DATE: 1997-06-23
NUMBER OF SEQ ID NOS: 31
SOFTWARE: Patentin Ver. 2.1
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CURRENT APPLICATION NUMBER: US/09/213,053
                                                                                                                                                                                                                                                                                                                                                                                                                              TYPE: DNA ORGANISM: Artificial Sequence FEATURE:
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TYPE: DNA
ORGANISM: Artificial Sequence
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Pred. No. 1
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CURRENT FILING DATE: 1998-12-16
EARLIER APPLICATION NUMBER: 9608242
EARLIER FILING DATE: 1996-06-27
EARLIER APPLICATION NUMBER: PCT/FR97/01115
EARLIER FILING DATE: 1997-06-23
NUMBER OF SEQ ID NOS: 31
SOFTWARE: Patentin Ver. 2.1
SEQ ID NO 28
LENGTH: 39
                                                                                                                                                      RESULT 20
US-09-213-053-29/c
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Sequence 29, Application US/09213053
Patent No. 6159477
GRMERAL INFORMATION:
APPLICANT: AUDONNET, Jean-Christophe
APPLICANT: BAUDU, Philippe
TITLE OF INVENTION: CANINE HERPESVIRUS BASED RECOMBINANT LIVE VACCINE,
TITLE OF INVENTION: PARTICULAR AGAINST CANINE DISTEMPER, RABIES OR THE
TITLE OF INVENTION: PARAINFLUENZA 2 VIRUS
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    SOFTWARE: PatentIn Ver. 2.1 SEQ ID NO 29 LENGTH: 39
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Best Local Similarity
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        APPLICANT: AUDONNET, Jean-Christophe
APPLICANT: BAUDU, Philippe
TITLE OF INVENTION: CANINE HERPESVIRUS BASED RECOMBINANT LIVE VACCINE,
TITLE OF INVENTION: PARTICULAR AGAINST CANINE DISTEMPER, RABIES OR THE
TITLE OF INVENTION: PARAINFLUENZA 2 VIRUS
FILE REFERENCE: 454313-2200
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         CURRENT APPLICATION NUMBER: US/09/213,053
CURRENT FILING DATE: 1998-12-16
EARLIER APPLICATION NUMBER: 9608242
EARLIER FILING DATE: 1996-06-27
EARLIER FILING DATE: 1997-06-23
NUMBER OF SEQ ID NOS: 31
                                                                                                                                                                                                                                                                                                                                                                                             FEATURE:
OTHER INFORMATION: Description of Artificial Sequence:
OTHER INFORMATION: oligonucleotide
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ORGANISM: Artificial Sequence
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  TYPE: DNA
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Pred. No. 1e+03;
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Pred. No. 16
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; OTHER INFORMATION: Description of Artificial Sequence: ; OTHER INFORMATION: oligonucleotide US-09-213-053-29
Query Match
Best Local Similarity
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LENGTH: 39
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Best Local
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INFORMATION FOR SEQ ID NO:
SEQUENCE CHARACTERISTICS:
LENGTH: 28 base pairs
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EARLIER FILING DATE: 1997-06-23
NUMBER OF SEQ ID NOS: 31
SOFTWARE: PatentIn Ver. 2.1
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CURRENT FILING DATE: 1998-12-16
EARLIER APPLICATION NUMBER: 9608242
EARLIER FILING DATE: 1996-06-27
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    TYPE: DNA ORGANISM: Artificial Sequence FEATURE:
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APPLICANT:
APPLICANT:
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NAME: Osman, Richard A
REGISTRATION NUMBER: 36,627
REFERENCE/DOCKET NUMBER: A-1
                                                                                                                                                                                                                                                                                                                                                                                         COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: Patentin Release #1.0, Version #1.25
CURRENT APPLICATION DATA:
                                                                                                                                                                                                                                                                                                                                                                                                                                                              COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 TITLE OF INVENTION: THE NUMBER OF SEQUENCES: CORRESPONDENCE ADDRESS
                                                                                                                                                                                                                                              TELEPHONE: (415) 781-1989
                                                                                                                                                                                                                                                                                                                                                APPLICATION NUMBER: US/08/235,503B FILING DATE: 29-APR-1994 CLASSIFICATION: 435
                                                                                                                            STRANDEDNESS: single
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                                                                                                                TOPOLOGY:
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Baichwal, Vijay R
Strulovici, Berta
                 Conservative
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Pred. No. 1.3e+03;
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US-08-235-503B-68/c
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TELEX: 910 277299
INFORMATION FOR SEQ ID NO: 6
SEQUENCE CHARACTERISTICS:
PRIGTH: 28 base pairs
PRIGTH: 27-12 acid
                                                                                                                                                                                      Sequence 69, Application US/08235503B Patent No. 5563036
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Best Local
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                                                                                                                                                                    GENERAL INFORMATION:
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COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
MEDIUM TYPE: IBM PC compatible
COMPUTER: IBM PC compatible
COMPUTER: CYSTEM: PC-DOS/MS-DOS
PC-TO-948 #1.0
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: PatentIn Release #1.0, Version #1.25
CURRENT APPLICATION DATA:
                                                                                                                 APPLICANT: Peterson, Michael G
APPLICANT: Baichwal, Vijay R
APPLICANT: Strulovici, Berta
                                                                                                                                                                                                                                                                                                                                                                                                                                                  TOPOLOGY: linear MOLECULE TYPE: cDNA
                                                               CORRESPONDENCE ADDRESS:
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APPLICANT: Baichwal, Vijay R
APPLICANT: Strulovici, Berta
                                                                                  NUMBER OF SEQUENCES:
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CITY: San Francisco
CITY: San Francisco
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                                                                                                     TLE OF INVENTION:
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                                STREET:
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Osman, Richard A
Osman, Richard A
              San Francisco
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California
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                                                                                                 Strulovici, Berta
/ENTION: TRANSCRIPTION FACTOR-DNA ASSAY
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75.0%;
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                                              HOHBACH, TEST, ALBRITTON & HERBERT
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Pred. No. 1.3e
0; Mismatches
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Best Local :
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INFORMATION FOR SEQ ID NO:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 GENERAL INFORMATION:
TELEX: 910 277299 INFORMATION FOR SEQ ID NO: SEQUENCE CHARACTERISTICS
                                                                                         ATTORNEY/AGENT INFORMATION:
NAME: Osman, Richard A
REGISTRATION NUMBER: 36,627
REFERENCE/DOCKET NUMBER: A-:
                                                                                                                                                                                                                                                                           COMPUTER READABLE FORM:
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REFERENCE/COCKET NUMBER: A.-
TELECOMMUNICATION INFORMATION
TELEPHONE: (415) 781,1989
                                                                        TELECOMMUNICATION INFORMATION:
                                                                                                                                                                                                 CURRENT APPLICATION DATA:
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                                                                                                                                                                                                                                                                                                                                                                                                      NUMBER OF SEQUENCES:
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NAME: Osman, Richard A
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CURRENT APPLICATION DATA:
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COMPUTER READABLE FORM:
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                                                                                                                                                 APPLICATION NUMBER: FILING DATE: 29-APF CLASSIFICATION: 435
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                                           TELEFAX:
                                                           TELEPHONE:
                                                                                                                                                                                                                 SOFTWARE:
                                                                                                                                                                                                                            COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
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                                            3: (415)
(415) 39
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VENTION: TRANSCRIPTION FACTOR-DNA ASSAY
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Baichwal, Vijay R
Strulovici, Berta
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                                                                                                                                                                                                                   PatentIn Release #1.0, Version #1.25
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IBM PC compatible
SYSTEM: PC-DOS/MS-DOS
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75.0%;
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Pred. No. 1
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RESULT 26
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                               Sequence 68, Application PC/TUS9505265 GENERAL INFORMATION:
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GENERAL INFORMATION:
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INFORMATION FOR SEQ ID NO:
                                                                                                                                                                                                                                                                                                                                                                                          REGISTRATION NUMBER: 36,627
REFERENCE/DOCKET NUMBER: FP-59232-PC/RAO
TELECOMMUNICATION INFORMATION:
TELEPHONE: (415) 781-1989
TELEPAX: (415) 398-3249
                   APPLICANT:
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NAME: Osman, Richard A
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CURRENT APPLICATION DATA:
APPLICATION NUMBER: PCT/US95/05265
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MEDIUM TYPE: Floppy disk
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   TITLE OF INVENTION:
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TOPOLOGY: linear
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15; Conserv
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4 Embarcadero Center, Suite 3400
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              TULARIK,
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75.0%;
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TRANSCRIPTION FACTOR-DNA BINDING ASSAY
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                                                                                                                                                                                     Score 12; DB 5; Pred. No. 1.3e+03;
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Pred. No. 1.3e+03;
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TELEX: 910 277299
INFORMATION FOR SEQ ID NO:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            CLASSIFICATION DATA:
PRIOR APPLICATION UMBER: US 08/
APPLICATION UMBER: US 08/
FILING DATE: 29-APR-1994
ATTORNEY/AGENT INFORMATION:
NAME: Osman, Richard A
REGISTRATION NUMBER: 36,62
                                                              CURRENT APPLICATION NUMBER: PCT/US95/nf-nflling DATE:
                                                                                                                                                                COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compati
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        REFERENCE/DOCKET NUMBER: FP
TELECOMMUNICATION INFORMATION:
TELEPHONE: (415) 781-1989
TELEFAX: (415) 398-3249
              CLASSIFICATION:
PRIOR APPLICATION DATA:
APPLICATION NUMBER: US 08/235,503
FILING DATE: 29-APR-1994
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CURRENT APPLICATION DATA:
APPLICATION NUMBER: PCT/US95/05265
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MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
                                                                                                                                                                                                                                                                                                                        NUMBER OF SEQUENCES: 7
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ATTORNEY/AGENT INFORMATION:
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                                                                                                                                                                                                                      ZIP:
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STATE: California
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TOPOLOGY: li
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                                                                                                                                                                                                                                                                                      4 Embarcadero Center, Suite 3400
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                                                                                                PCT/US95/05265
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                                                                                                                                  Version
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TELECOMMUNICATION INFORMATION: TELEPHONE: (415) 781-1989 TELEPAX: (415) 398-3249

910.277299

REFERENCE/DOCKET NUMBER:

REGISTRATION NUMBER:

36,627

FP-59232-PC/RAO

Richard

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                                                                  Query Match
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                                                                                                                                                                                            TELEPHONE: (415) 781-199
TELEFAX: (415) 398-3249
TELEX: 910 277299
INFORMATION FOR SEQ ID NO: (
SEQUENCE CHARACTERISTICS:
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SEQUENCE CHARACTERISTICS
                                                                                                                                                                                                                                                                                                                                                          PRIOR APPLICATION DATA:
APPLICATION NUMBER: US 0
FILING DATE: 29-APR-1994
                                                                                                                                                                                                                                                                                                                                                                                                                                                      COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: Patentin Release #1.0, Version #1.25
CURRENT APPLICATION DATA:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  COMPUTER READABLE FORM: MEDIUM TYPE: Floppy disk
                                                                                                                                                                                                                                                              TELECOMMUNICATION INFORMATION: TELEPHONE: (415) 781-1989
                                                                                                                                                                                                                                                                                                                                           ATTORNEY/AGENT INFORMATION:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            APPLICANT: TULARIK, INC.
TITLE OF INVENTION: TRANSCRIPTION FACTOR-DNA BINDING ASSAY
NUMBER OF SEQUENCES: 74
CORRESPONDENCE ADDRESS:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   MOLECULE TYPE: CDNA
                                                                                                                   MOLECULE TYPE: CDNA
                                                                                                                                                                                                                                                                                           NAME: Osman, Richard A REGISTRATION NUMBER: 36, REFERENCE/DOCKET NUMBER:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     Local
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                TYPE: nucleic acid
STRANDEDNESS: sing
                                                    Local Similarity
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    TOPOLOGY:
                                                                                                                                     TOPOLOGY:
                                                                                                                                               STRANDEDNESS:
                                                                                                                                                                                                                                                                                                                                                                                                          CLASSIFICATION:
                                                                                                                                                                                                                                                                                                                                                                                                                         FILING DATE:
                                                                                                                                                                                                                                                                                                                                                                                                                                      APPLICATION NUMBER: PCT/US95/05265
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                                                                                                                                                                                ENGTH:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      15; Conser
                                                                                                                                                                : 28 base pairs
nucleic acid
        GAGACCGATATCGGTCTCAG 22
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 California
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75.0%;
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75.0%; Pred. No. 1
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                                                    Score 12;
Pred. No.
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                                                   DB 5; I
1.3e+03;
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US-08-402-964-3/c
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                                                                                                           Sequence 3, Application US/08402964 Patent No. 5582993
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GENERAL INFORMATION:
                                                                                                                                                                                                                                                                            Matches'
                                                                                                                                                                                                                                                                                                         Query Match
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    Sequence
                                                           GENERAL INFORMATION:
APPLICANT: Stacke
APPLICANT: Lane,
                                                                                                                                                                                                                                                                                                                                                                                                                                                         NFORMATION FOR SEQ ID NO:
                                                                                                                                                                                                                                                                                                                                                                                                          SEQUENCE CHARACTERISTICS:
LENGTH: 37 base pairs
TYPE: nucleic acid
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  APPLICATION NUMBER: US OF FILING DATE: 15-MAY-1991 ATTORNEY/AGENT INFORMATION:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      PRIOR APPLICATION DATA:
APPLICATION NUMBER: US 08/138,862
FILING DATE: 19-OCT-1993
PRIOR APPLICATION DATA:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     SOFTWARE: PatentIn Release #1.0, Version #1.30 CURRENT APPLICATION DATA:
                            TITLE OF INVENTION:
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      TELECOMMUNICATION INFORMATION:
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APPLICANT: Lane,
CORRESPONDENCE ADDRESS
                                                                                                                                                                                                                                                                                             Local
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          NAME: Fasse, J. Pet
REGISTRATION NUMBER:
                                                                                                                                                                                                                                                                                                                                                                                         STRANDEDNESS:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        TELEFAX:
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TELEFAX: 617/542-8906
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            REFERENCE/DOCKET NUMBER:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          CLASSIFICATION:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          FILING DATE:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      APPLICATION NUMBER: US/08/402,964
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12; Conserv
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                                                                          Stackebrandt, Erko
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IBM PC compatible
SYSTEM: PC-DOS/MS-DOS
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                                                              David
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                            COMPOSITION AND METHODS FOR THE DETECTION OF BACTERIA IN THE GENUS VIBRIO
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Pred. No. 1.
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ADDRESSEE:

3: Fish & Richardson P.C. 225 Franklin Street

Boston

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                                                                                                                                                                                                                                                                                                                                                                                                                                    Patent No.
                                                                                                                                                                                                                  APPLICANT: Cohen, Annick
TITLE OF INVENTION: BIALLELIC MARKERS DERIVED FROM GENOMIC REGIONS CARRYING
TITLE OF INVENTION: GENES INVOLVED IN ARACHIDONIC ACID METABOLISM
FILE REFERENCE: GENEST.051CP1
CURRENT APPLICATION NUMBER: US/09/641,638
CURRENT FILING DATE: 2000-08-16
                                                                                                                                                                                                                                                                                                                                                                                                                                                                         -09-641-638-720
PRIOR APPLICATION NUMBER: US 60/119,917
PRIOR FILING DATE: 1999-02-12
NUMBER OF SEQ ID NOS: 1304
SOFTWARE: Patent.pm
SEQ ID NO 720
LENGTH: 47
                                                                                                                  PRIOR FILING DATE: 1999-(PRIOR APPLICATION NUMBER: PRIOR FILING DATE: 1999-(
                                                                                                                                                     PRIOR APPLICATION NUMBER: US 09/502,330
PRIOR TILING DATE: 2000-02-11
PRIOR APPLICATION NUMBER: US 60/133,200
PRIOR FILING DATE: 1999-05-07
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  ZIP: UZLLU-LU-
COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
COMPUTER: IBM PC-DOS/MS-DOS
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       SEQUENCE CHARACTERISTICS:
LENGTH: 37 base pairs
TYPE: nucleic acid
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        APPLICATION NUMBER: US 07/700,785 FILING DATE: 15-MAY-1991 ATTORNEY/AGENT INFORMATION:
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APPLICATION NUMBER: US 08/138,862
FILING DATE: 19-0CT-1993
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: PatentIn Release #1.0, Version #1.30
CURRENT APPLICATION DATA:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    MOLECULE TYPE:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            TELECOMMUNICATION INFORMATION: TELEPHONE: 617/542-5070
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 NAME: Fasse, J. Peter
REGISTRATION NUMBER: 32
REFERENCE/DOCKET NUMBER:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                Local Similarity
les 15; Conserv
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     STRANDEDNESS:
TOPOLOGY: lir
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FILING DATE: 10-MAR-1995
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Chumakov, Ilya
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                                                                                                          UMBER: US 09/275,267
1999-03-23
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75.0%;
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Pred. No. 1.3e
0; Mismatches
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                                                                                                                                                                                                                               RESULT 33
                                                                                                                                                Sequence 21, Applica Patent No. 6159477 GENERAL INFORMATION:
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Matches
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Best Local
APPLICANT: AUDONNET, Jean-Christophe
APPLICANT: BAUDU, Philippe
TITLE OF INVENTION: CANINE HERPESVIRUS BASED RECOMBINANT LIVE VACCINE, IN
TITLE OF INVENTION: PARTICULAR AGAINST CANINE DISTEMPER, RABIES OR THE
TITLE OF INVENTION: PARAINFLUENZA 2 VIRUS
FILE REFERENCE: 454313-2200
CURRENT APPLICATION NUMBER: US/09/213,053
CURRENT FILING DATE: 1998-12-16
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               TITLE OF INVENTION: BIALLELIC MARKERS DERIVED FROM GENOMIC REGIONS CARRYING TITLE OF INVENTION: GENES INVOLVED IN ARACHIDONIC ACID METABOLISM FILE REFERENCE: GENSET.051CP1
CURRENT APPLICATION NUMBER: US/09/641,638
CURRENT FILING DATE: 2000-08-16
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          PRIOR APPLICATION NUMBER: PRIOR FILING DATE: 1999-C NUMBER OF SEQ ID NOS: 130
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PRIOR APPLICATION NUMBER: US 09/502,330
PRIOR FILING DATE: 2000-02-11
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     PRIOR APPLICATION NUMBER: US 60/133,200
PRIOR FILING DATE: 1999-05-07
PRIOR APPLICATION NUMBER: US 09/275,267
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        LENGTH: 47
TYPE: DNA
ORGANISM: Homo Sapiens
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NAME/KEY: allele
LOCATION: 24
OTHER INFORMATION: 12-231-100 : polymorphic base C or T
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                        NAME/KEY: allele
LOCATION: 24
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               FEATURE:
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                                                                                                                                                                                                                                                                                                                                                                               Local
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15; Conserv
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                                                                                                                                                                                       Application US/09213053
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75.0%;
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Pred. No. 1.3e+03;
0; Mismatches 5
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Pred. No. 1.3e+03;
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RESULT 35
US-07-967-693-43
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SEQ ID NO 21
LENGTH: 34
TYPE: DNA
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LENGTH: 34
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Matches 13; Conserv
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                                                                                                                                                     Patent No.
                                                                 GENERAL INFORMATION:
APPLICANT: James P. Haseloff
APPLICANT: Wayne L. Gerlach
APPLICANT: Philip A. Jenning
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          CURRENT APPLICATION NUMBER: US/09/213,053
CURRENT FILING DATE: 1998-12-16
EARLIER APPLICATION NUMBER: 9608242
EARLIER FILING DATE: 1996-06-27
EARLIER APPLICATION NUMBER: PCT/FR97/01115
EARLIER FILING DATE: 1997-06-23
NUMBER OF SEQ ID NOS: 31
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                TITLE OF INVENTION: CANINE HERPESVIRUS BASED RECOMBINANT LIVE VACCINE, TITLE OF INVENTION: PARTICULAR AGAINST CANINE DISTEMPER, RABIES OR THE TITLE OF INVENTION: PARAINFLUENZEA 2 VIRUS FILE REFERENCE: 454313-2200
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           EARLIER FILING DATE: 1997-06-23
NUMBER OF SEQ ID NOS: 31
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EARLIER APPLICATION NUMBER: PCT/FR97/01115
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                              ORGANISM: Artificial Sequence FEATURE:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         OTHER INFORMATION: Description of Artificial Sequence: OTHER INFORMATION: oligonucleotide
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CORRESPONDENCE ADDRESS
                                 ITLE OF INVENTION: RIBOZYMES
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 Local Similarity
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                                                                       Philip A. Jennings
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86.7%;
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Pred. No. 1.6e+03
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Patent No. 5494814
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TELEX: 422523 coop ui
INFORMATION FOR SEQ ID NO:
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ATTORNEY/AGENT INFORMATION:
NAME: White, John P.
REGISTRATION UNWBER: 28,678
REFERENCE/DOCKET NUMBER: 4031
TELECOMMUNICATION INFORMATION:
                                                                                                                                                                                                                                                                                                                                                                                                                                                       GENERAL INFORMATION:
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LENGTH: 45 base pairs
TYPE: NUCLEIC ACID
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CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/07/967,693
FILING DATE: 19921027
                                           APPLICATION NUMBER: US/0: FILING DATE: 19921027 CLASSIFICATION: 435 ATTORNEY/AGENT INFORMATION:
                                                                                                                     SOFTWARE: PatentIn Release #1.0, CURRENT APPLICATION DATA:
                                                                                                                                                                                       COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy
                                                                                                                                                                                                                                                                                                                                                                                   APPLICANT: James P. Haseloff
APPLICANT: Wayne L. Gerlach
APPLICANT: Philip A. Jenning
APPLICANT: Fiona H. Cameron
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                                                                                                                                                                                                                                                                                                                                                    NUMBER OF SEQUENCES:
                                                                                                                                                 MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
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COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
NAME: White, John P.
REGISTRATION NUMBER: 28,678
REFERENCE/DOCKET NUMBER: 40
                                                                                                                                                                                                                                                            STREET: 30 Rock
CITY: New York
STATE: New York
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il Similarity 80.0%;
12; Conservation
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30 Rockefeller Plaza
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30 Rockefeller Plaza
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Pred. No. 1
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TELECOMMUNICATION INFORMATION

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US-08-195-072-41
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                                                                            Query Match
Best Local Similarity
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TELEX: 422523 coop ui
INFORMATION FOR SEQ ID NO:
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APPLICANT: Wayne L. Gerlach
APPLICANT: Philip A. Jennings
APPLICANT: Fiona H. Cameron
TITLE OF INVENTION: RIBOZYMES
NUMBER OF SEQUENCES: 44
                                                                                                                                                                                                                                                                                                                                                           COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: Patentin Release #1.0, Version #1.25
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/195,072
FILING DATE: 08.FEB-1994
CLASSIPICATION: 435
ATTORNEY/AGENT INFORMATION:
NAME: White Inch. P
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TELECOMMUNICATION INFORMATION:
TELEPHONE: 212-977-9550
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LENGTH: 45 base pairs
TYPE: NUCLEIC ACID
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TELEPHONE: 212-664-0525
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nes 13; Conserv
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                                                                                                                                                                                                    LENGTH: 45 base pairs
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15 UGAGUCCGATATCCG 29
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                       2 TGAGACCGATATCGG 16
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30 Rockefeller Plaza
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                                                                          53.6%;
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                                                                          Score 11.8;
Pred. No. 1.
                                                             Mismatches
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                                                                                                                                                                                                                      Sequence 41,
Patent No. 5
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Best Local Similarity
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INFORMATION FOR SEQ ID NO:
SEQUENCE CHARACTERISTICS:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            CLASSIFICATION: 435
ATTORNEY/AGENT INFORMATION:
NAME: White, John P.
REGISTRATION NUMBER: 28,678
REFERENCE/DOCKET NUMBER: 4031
TELECOMMUNICATION INFORMATION:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          GENERAL INFORMATION:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          APPLICANT: Philip A. APPLICANT: Fiona H. C TITLE OF INVENTION: F NUMBER OF SEQUENCES:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: PatentIn Release #1.0, Version #1.25
CURRENT APPLICATION DATA:
                                                                                                                                      APPLICANT: Wayne D. Haseloff
APPLICANT: Wayne L. Gerlach
APPLICANT: Philip A. Jennings
APPLICANT: Fiona H. Cameron
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        CORRESPONDENCE ADDRESS
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                                                                                            CORRESPONDENCE ADDRESS:
                                                                                                           JUMBER OF SEQUENCES:
                                                                                                                            ITLE OF INVENTION:
COUNTRY: USA
ZIP: 10112
                            CITY: New York
STATE: New York
                                                            STREET:
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TOPOLOGY: linear
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                                                                             ADDRESSEE:
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                                                            E: John P. White, Es
30 Rockefeller Plaza
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Pred. No. 1
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COMPUTER READABLE FORM

MEDIUM TYPE:

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US-08-195-735-41/c
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TELEPAX: 212-664-0525
TELEX: 42253 cop ui
INFORMATION FOR SEQ ID NO: 4
SEQUENCE CHARACTERISTICS:
LENGTH: 45 base pairs
TYPE: nucleic acid
STRANDEDNESS: single
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TELEFAX: 212-664-0525
TELEX: 422523 coop ui
INFORMATION FOR SEQ ID NO:
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APPLICANT: James
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SEQUENCE CHARACTERISTICS:
LENGTH: 45 base pairs
TYPE: nucleic acid
                                                                                                                                                 ATTORNEY/AGENT INFORMATION:
NAME: White, John P.
REGISTRATION NUMBER: 28,678
REFERENCE/DOCKET NUMBER: 40313-E
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MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
COMPUTER: FLOW PC-DOS/MS-DOS
SOFTMARE: PatentIn Release #1.0, Version #1.25
CURRENT APPLICATION DATA:
APPLICATION UMBER: US/08/195,735
FILING DATE: 08-FEB-1994
CLASSIFICATION: 435
CLASSIFICATION: 435
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CLASSIFICATION: 435
ATTORNEY/AGENT INFORMATION:
NAME: White, John P.
REGISTRATION NUMBER: 28,678
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      REFERENCE/DOCKET NUMBER: 40
TELECOMMUNICATION INFORMATION:
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OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: PAtentIn Release #1.0, Version #1.25
CURRENT APPLICATION DATA:
                                                                                                               TELECOMMUNICATION INFORMATION: TELEPHONE: 212-977-9550
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ADDRESSEE: John P. W
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          PPLICANT: Fiona H. Cameron ITLE OF INVENTION: RIBOZYMES
                                                                                                                                                                                                                                                                                                                                                                                                                  CITY: New York
STATE: New York
COUNTRY: tic*
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Wayne L. Gerlach
Philip A. Jennings
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1: /cgn2_6/ptodata/2/pubpna/US07_PUBCOMB.seq:*

2: /cgn2_6/ptodata/2/pubpna/PCT_NEW_PUB.seq:*

3: /cgn2_6/ptodata/2/pubpna/US06_NEW_PUB.seq:*

4: /cgn2_6/ptodata/2/pubpna/US06_NEW_PUB.seq:*

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14: /cgn2_6/ptodata/2/pubpna/US00_NEW_PUB.seq:*
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US-10-098-263B-87625
US-10-098-263B-87902
US-10-098-263B-105385
US-10-098-263B-67902
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378 10.6 48.2 25 9 US- 380 10.6 48.2 25 9 US- 381 10.6 48.2 25 9 US- 382 10.6 48.2 25 9 US- 383 10.6 48.2 25 9 US- 383 10.6 48.2 25 9 US- 384 10.6 48.2 25 9 US- 385 10.6 48.2 25 9 US-	374 10.6 48.2 24 9 US- 375 10.6 48.2 24 9 US- 376 10.6 48.2 24 9 US- 377 10.6 48.2 25 9 US-	371 10.6 48.2 24 9 US- 372 10.6 48.2 24 9 US- 373 10.6 48.2 24 9 US-	368 10.6 48.2 17 9 US-1369 10.6 48.2 20 10 US-1370 10.6 48.2 20 10 US-1370 10.6 48.2	365 10.8 49.1 48 10 US- 366 10.8 49.1 48 10 US- 367 10.6 48.2 17 9 US-	363 10.8 49.1 38 9 US-1 364 10.8 49.1 38 9 US-1 365 10.8 49.1 38 9 US-1 365 10.8 10.8 10.8 10.8 10.8 10.8 10.8 10.8	361 10.8 49.1 35 9 US- 362 10.8 49.1 35 9 US-	359 10.8 49.1 32 9 US-: 360 10.8 49.1 32 9 US-:	357 10.8 49.1 25 9 US-	355 10.8 49.1 25 9 US- 356 10.8 49.1 25 9 US-	353 10.8 49.1 25 9 US- 354 10.8 49.1 25 9 US-	350 10.6 45.1 25 9 US- 351 10.8 49.1 25 9 US-	348 10.8 49.1 25 9 US- 349 10.8 49.1 25 9 US-	346 10.8 49.1 25 9 US-347 10.8 49.1 25 9 US-3	345 10.8 49.1 25 9 US- 345 10.8 49.1 25 9 US-	342 10.6 49.1 25 9 US-: 343 10.8 49.1 25 9 US-: 343 10.8 49.1 25 9 US-:	339 10.8 49.1 25 9 US- 340 10.8 49.1 25 9 US-	337 10.8 49.1 25 9 US- 338 10.8 49.1 25 9 US-	335 10.8 49.1 25 9 US- 336 10.8 49.1 25 9 US-	333 10.8 49.1 25 9 US-	331 10.8 49.1 25 9 US- 332 10.8 49.1 25 9 US-	329 10.8 49.1 25 9 US- 330 10.8 49.1 25 9 US-	327 10.8 49.1 25 9 US-	325 10.8 49.1 25 9 US-: 326 10.8 49.1 25 9 US-:	324 10.8 49.1 25 9 US-	322 10.8 49.1 25 9 US-	320 10.8 49.1 25.9 US-: 321 10.8 49.1 25 9 US-:	319 10.8 49.1 25 9 US-	317 10.8 49.1 25 9 US-1 318 10.8 49.1 25 9 US-1	315 10.8 49.1 25 9 US-: 316 10.8 49.1 25 9 US-:	314 10.8 49.1 25 9 US-
378 10.6 48.2 25 9 US-10-21 379 10.6 48.2 25 9 US-10-21 380 10.6 48.2 25 9 US-10-21 381 10.6 48.2 25 9 US-10-21 382 10.6 48.2 25 9 US-10-21 383 10.6 48.2 25 9 US-10-21 383 10.6 48.2 25 9 US-10-21	374 10.6 48.2 24 9 US-10-01 375 10.6 48.2 24 9 US-10-01 376 10.6 48.2 24 9 US-10-01 377 10.6 48.2 25 9 US-10-21	371 10.6 48.2 24 9 US-09-94 372 10.6 48.2 24 9 US-09-94 373 10.6 48.2 24 9 US-10-01	368 10.6 48.2 17 9 US-09-86 369 10.6 48.2 20 10 US-09-7	365 10.8 49.1 48 10 US-09-4 366 10.8 49.1 48 10 US-09-4 367 10.6 48.2 17 9 US-09-86	363 10.8 49.1 38 9 US-09-99 364 10.8 49.1 38 9 US-09-99 364 10.8 49.1 38 9 US-09-99	361 10.8 49.1 35 9 US-10-19 362 10.8 49.1 35 9 US-10-19	359 10.8 49.1 32 9 US-10-28	357 10.8 49.1 25 9 US-10-09	355 10.8 49.1 25 9 US-10-09 356 10.8 49.1 25 9 US-10-09	353 10.8 49.1 25 9 US-10-09	350 10.8 49.1 25 9 US-10-09	348 10.8 49.1 25 9 US-10-09 349 10.8 49.1 25 9 US-10-09	346 10.8 49.1 25 9 US-10-09 347 10.8 49.1 25 9 US-10-09	345 10.8 49.1 25 9 US-10-09	342 10.8 49.1 25 9 US-10-09	339 10.8 49.1 25 9 US-10-09 340 10.8 49.1 25 9 US-10-09 10.8 49.1 25 9 US-10-09	337 10.8 49.1 25 9 US-10-09 338 10.8 49.1 25 9 US-10-09	335 10.8 49.1 25 9 US-10-09 336 10.8 49.1 25 9 US-10-09	333 10.8 49.1 25 9 US-10-09 334 10.8 49.1 25 9 US-10-09	331 10.8 49.1 25 9 US-10-09 332 10.8 49.1 25.9 US-10-09	329 10.8 49.1 25 9 US-10-09 330 10.8 49.1 25 9 US-10-09	327 10.8 49.1 25 9 US-10-09	325 10.8 49.1 25 9 US-10-09 326 10.8 49.1 25 9 US-10-09	324 10.8 49.1 25 9 US-10-09	322 10.8 49.1 25 9 US-10-09	320 10.8 49.1 25.9 US-10-09 321 10.8 49.1 25 9 US-10-09	319 10.8 49.1 25 9 US-10-09	317 10.8 49.1 25 9 US-10-09 318 10.8 49.1 25 9 US-10-09	315 10.8 49.1 25 9 US-10-09 316 10.8 49.1 25 9 US-10-09	313 10.8 49.1 25 9 US-10-09
378 10.6 48.2 25 9 US-10-215-112 380 10.6 48.2 25 9 US-10-215-112 380 10.6 48.2 25 9 US-10-215-112 381 10.6 48.2 25 9 US-10-215-112 382 10.6 48.2 25 9 US-10-215-112 383 10.6 48.2 25 9 US-10-215-112	374 10.6 48.2 24 9 US-10-011-855 375 10.6 48.2 24 9 US-10-011-855 376 10.6 48.2 24 9 US-10-011-855 377 10.6 48.2 25 9 US-10-215-112	371 10.6 48.2 24 9 US-09-940-185 373 10.6 48.2 24 9 US-09-940-185 373 10.6 48.2 24 9 US-10-011-855	368 10.6 48.2 17 9 US-09-864-636 369 10.6 48.2 27 10 US-09-735-99	365 10.8 49.1 48 10 US-09-464-76 366 10.8 49.1 48 10 US-09-464-76 367 10.6 48.2 17 9 US-09-864-636	363 10.8 49.1 38 9 US-09-997-848 364 10.8 49.1 38 9 US-09-997-847 364 10.8 49.1 38 9 US-09-997-848	361 10.8 49.1 35 9 US-10-194-594 362 10.8 49.1 35 9 US-10-194-594	359 10.8 49.1 32 9 US-10-282-602 360 10.8 49.1 32 9 US-10-282-602	357 10.8 49.1 25 9 US-10-098-263	355 10.8 49.1 25 9 US-10-098-263 356 10.8 49.1 25 9 US-10-098-263	353 10.8 49.1 25 9 US-10-098-263 354 10.8 49.1 25 9 US-10-098-263	350 10.6 49.1 25 9 US-10-098-263 351 10.8 49.1 25 9 US-10-098-263 352 10.8 49.1 25 9 US-10-098-263	348 10.8 49.1 25 9 US-10-098-263 349 10.8 49.1 25 9 US-10-098-263	346 10.8 49.1 25 9 US-10-098-263 347 10.8 49.1 25 9 US-10-098-263	344 10.8 49.1 25 9 US-10-098-263	341 10.6 49.1 25 9 US-10-098-263 342 10.8 49.1 25 9 US-10-098-263 343 10.8 49.1 25 9 US-10-098-263	339 10.8 49.1 25 9 US-10-098-263	337 10.8 49.1 25 9 US-10-098-263 338 10.8 49.1 25 9 US-10-098-263	335 10.8 49.1 25 9 US-10-098-263 336 10.8 49.1 25 9 US-10-098-263	333 10.8 49.1 25 9 US-10-098-263	331 10.8 49.1 25 9 US-10-098-263 332 10.8 49.1 25 9 US-10-098-263	329 10.8 49.1 25 9 US-10-098-263 330 10.8 49.1 25 9 US-10-098-263	327 10.8 49.1 25 9 US-10-098-263	325 10.8 49.1 25 9 US-10-098-263 326 10.8 49.1 25 9 US-10-098-263	324 10.8 49.1 25 9 US-10-098-263	322 10.8 49.1 25 9 US-10-098-263	320 10.8 49.1 25.9 US-10-098-263 321 10.8 49.1 25 9 US-10-098-263	319 10.8 49.1 25 9 US-10-098-263	317 10.8 49.1 25 9 US-10-098-263	315 10.8 49.1 25 9 US-10-098-263 16 10.8 49.1 25 9 US-10-098-263	314 10.8 49.1 25 9 US-10-098-263
378 10.6 48.2 25 9 US-10-215-112-735 379 10.6 48.2 25 9 US-10-215-112-225 380 10.6 48.2 25 9 US-10-215-112-225 381 10.6 48.2 25 9 US-10-215-112-370 382 10.6 48.2 25 9 US-10-215-112-370 383 10.6 48.2 25 9 US-10-215-112-370	374 10.6 48.2 24 9 US-10-011-855-3 375 10.6 48.2 24 9 US-10-011-855-7 376 10.6 48.2 24 9 US-10-011-855-7 377 10.6 48.2 25 9 US-10-215-112-73	371 10.6 48.2 24 9 US-09-940-185-124 372 10.6 48.2 24 9 US-09-940-185-124 373 10.6 48.2 24 9 US-10-011-855-3	368 10.6 48.2 17 9 US-09-864-636A-18 369 10.6 48.2 17 9 US-09-735-995-86	365 10.8 49.1 48 10 US-09-464-767-2 366 10.8 49.1 48 10 US-09-464-767-2 367 10.6 48.2 17 9 US-09-864-636A-18	363 10.8 49.1 38 9 US-09-997-848A 364 10.8 49.1 38 9 US-09-997-848A	361 10.8 49.1 35 9 US-10-194-594- 362 10.8 49.1 35 9 US-10-194-594-	359 10.8 49.1 32 9 US-10-282-602-5 360 10.8 49.1 32 9 US-10-282-602-5	357 10.8 49.1 25 9 US-10-098-263B-12	355 10.8 49.1 25 9 US-10-098-263B-12 356 10.8 49.1 25 9 US-10-098-263B-12	353 10.8 49.1 25 9 US-10-098-263B-12 354 10.8 49.1 25 9 US-10-098-263B-12	350 10.8 49.1 25 9 US-10-098-263B-10 351 10.8 49.1 25 9 US-10-098-263B-11 352 10.8 49.1 25 9 US-10-098-263B-11	348 10.8 49.1 25 9 US-10-098-263B-10 349 10.8 49.1 25 9 US-10-098-263B-10	346 10.8 49.1 25 9 US-10-098-263B-10 347 10.8 49.1 25 9 US-10-098-263B-10	345 10.8 49.1 25 9 US-10-098-263B-10	341 10.8 49.1 25 9 US-10-098-263B-99 342 10.8 49.1 25 9 US-10-098-263B-99 343 10 8 49 1 25 9 US-10-098-263B-10	339 10.8 49.1 25 9 US-10-098-263B-79	337 10.8 49.1 25 9 US-10-098-263B-74 338 10.8 49.1 25 9 US-10-098-263B-74	335 10.8 49.1 25 9 US-10-098-263B-63 10.8 49.1 25 9 US-10-098-263B-63	333 10.8 49.1 25 9 US-10-098-263B-61 334 10.8 49.1 25 9 US-10-098-263B-61	331 10.8 49.1 25 9 US-10-098-263B-61 332 10.8 49.1 25 9 US-10-098-263B-61	329 10.8 49.1 25 9 US-10-098-263B-53 330 10.8 49.1 25 9 US-10-098-263B-53	327 10.8 49.1 25 9 US-10-098-263B-53	325 10.8 49.1 25 9 US-10-098-263B-48 326 10.8 49.1 25 9 US-10-098-263B-48	324 10.8 49.1 25 9 US-10-098-263B-48	322 10.8 49.1 25 9 US-10-098-263B-35	320 10.8 49.1 25.9 US-10-098-263B-28 321 10.8 49.1 25.9 US-10-098-263B-35	319 10.8 49.1 25 9 US-10-098-263B-28	317 10.8 49.1 25 9 US-10-098-263B-26	315 10.8 49.1 25 9 US-10-098-263B-25 316 10.8 49.1 25 9 US-10-098-263B-25	314 10.8 49.1 25 9 US-10-098-263B-21
378 10.6 48.2 25 9 US-10-215-112-735 379 10.6 48.2 25 9 US-10-215-112-2251 380 10.6 48.2 25 9 US-10-215-112-2251 381 10.6 48.2 25 9 US-10-215-112-3701 382 10.6 48.2 25 9 US-10-215-112-3701 383 10.6 48.2 25 9 US-10-215-112-3701 384 10.6 48.2 25 9 US-10-215-112-1442	374 10.6 48.2 24 9 US-10-011-855-3 375 10.6 48.2 24 9 US-10-011-855-7 376 10.6 48.2 24 9 US-10-011-855-7 377 10.6 48.2 25 9 US-10-215-112-73	371 10.6 48.2 24 9 US-09-940-185-12 372 10.6 48.2 24 9 US-09-940-185-12 373 10.6 48.2 24 9 US-10-011-855-3	368 10.6 48.2 17 9 US-09-864-636A-1 369 10.6 48.2 20 10 US-09-735-995-8	365 10.8 49.1 48 10 US-09-469-767-2 366 10.8 49.1 48 10 US-09-464-767-2 367 10.6 48.2 17 9 US-09-864-636A-183	363 10.8 49.1 38 9 US-09-997-848A 364 10.8 49.1 38 9 US-09-997-848A	361 10.8 49.1 35 9 US-10-194-594- 362 10.8 49.1 35 9 US-10-194-594-	359 10.8 49.1 32 9 US-10-282-602-5	357 10.8 49.1 25 9 US-10-098-263B-12576	355 10.8 49.1 25 9 US-10-098-263B-12454 356 10.8 49.1 25 9 US-10-098-263B-12454	353 10.8 49.1 25 9 US-10-098-263B-12454 354 10.8 49.1 25 9 US-10-098-263B-12454	351 10.8 49.1 25 9 US-10-098-263B-11025 352 10.8 49.1 25 9 US-10-098-263B-11025	348 10.8 49.1 25 9 US-10-098-263B-1 349 10.8 49.1 25 9 US-10-098-263B-1	346 10.8 49.1 25 9 US-10-098-263B-10157 347 10.8 49.1 25 9 US-10-098-263B-10745	344 10.8 49.1 25 9 US-10-098-263B-10140	341 10.8 49.1 25 9 US-10-098-263B-99205 342 10.8 49.1 25 9 US-10-098-263B-99205 343 10.8 49.1 25 9 US-10-098-263B-10140	339 10.8 49.1 25 9 US-10-098-263B-7985 340 10.8 49.1 25 9 US-10-098-263B-7985	337 10.8 49.1 25 9 US-10-098-263B-7452 338 10.8 49.1 25 9 US-10-098-263B-7452	335 10.8 49.1 25 9 US-10-098-263B-6369	333 10.8 49.1 25 9 US-10-098-263B-6196	331 10.8 49.1 25 9 US-10-098-263B-6157 332 10.8 49.1 25 9 US-10-098-263B-6157	329 10.8 49.1 25 9 US-10-098-263B-5383 330 10.8 49.1 25 9 US-10-098-263B-5383	327 10.8 49.1 25 9 US-10-098-263B-5359	325 10.8 49.1 25 9 US-10-098-263B-4825 326 10.8 49.1 25 9 US-10-098-263B-4825	324 10.8 49.1 25 9 US-10-098-263B-4808	322 10.8 49.1 25 9 US-10-098-263B-3593	320 10.8 49.1 25.9 US-10-098-263B-2873 321 10.8 49.1 25.9 US-10-098-263B-3593	319 10.8 49.1 25 9 US-10-098-263B-2873	317 10.8 49.1 25 9 US-10-098-263B-2694 318 10.8 49.1 25 9 US-10-098-263B-2694	315 10.8 49.1 25 9 US-10-098-263B-2576	314 10.8 49.1 25 9 US-10-098-263B-2186
378 10.6 48.2 25 9 US-10-215-112-735 379 10.6 48.2 25 9 US-10-215-112-2251 380 10.6 48.2 25 9 US-10-215-112-2251 381 10.6 48.2 25 9 US-10-215-112-3701 382 10.6 48.2 25 9 US-10-215-112-3701 383 10.6 48.2 25 9 US-10-215-112-3701	374 10.6 48.2 24 9 US-10-011-855-3 375 10.6 48.2 24 9 US-10-011-855-7 376 10.6 48.2 24 9 US-10-011-855-7 377 10.6 48.2 25 9 US-10-215-112-73	371 10.6 48.2 24 9 US-09-940-185-124 372 10.6 48.2 24 9 US-09-940-185-124 373 10.6 48.2 24 9 US-10-011-855-3	368 10.6 48.2 17 9 US-09-864-636A-183 369 10.6 48.2 20 10 US-09-735-995-86 369 10.6 48.2 20 10 US-09-735-995-86	365 10.8 49.1 48 10 US-09-469-767-2 366 10.8 49.1 48 10 US-09-464-767-2 367 10.6 48.2 17 9 US-09-864-636A-183	363 10.8 49.1 38 9 US-09-997-848A 364 10.8 49.1 38 9 US-09-997-848A	361 10.8 49.1 35 9 US-10-194-594- 362 10.8 49.1 35 9 US-10-194-594-	359 10.8 49.1 32 9 US-10-282-602-5	357 10.8 49.1 25 9 US-10-098-263B-12576	355 10.8 49.1 25 9 US-10-098-263B-12454 356 10.8 49.1 25 9 US-10-098-263B-12454	353 10.8 49.1 25 9 US-10-098-263B-12454 354 10.8 49.1 25 9 US-10-098-263B-12454	351 10.8 49.1 25 9 US-10-098-263B-11025 352 10.8 49.1 25 9 US-10-098-263B-11025	348 10.8 49.1 25 9 US-10-098-263B-10745 349 10.8 49.1 25 9 US-10-098-263B-10745	346 10.8 49.1 25 9 US-10-098-263B-10157 347 10.8 49.1 25 9 US-10-098-263B-10745	344 10.8 49.1 25 9 US-10-098-263B-10140	341 10.8 49.1 25 9 US-10-098-263B-99205 342 10.8 49.1 25 9 US-10-098-263B-99205 343 10.8 49.1 25 9 US-10-098-263B-10140	339 10.8 49.1 25 9 US-10-098-263B-7985 340 10.8 49.1 25 9 US-10-098-263B-7985	337 10.8 49.1 25 9 US-10-098-263B-7452 338 10.8 49.1 25 9 US-10-098-263B-7452	335 10.8 49.1 25 9 US-10-098-263B-6369	333 10.8 49.1 25 9 US-10-098-263B-6196	331 10.8 49.1 25 9 US-10-098-263B-6157 332 10.8 49.1 25 9 US-10-098-263B-6157	329 10.8 49.1 25 9 US-10-098-263B-5383 330 10.8 49.1 25 9 US-10-098-263B-5383	327 10.8 49.1 25 9 US-10-098-263B-5359	325 10.8 49.1 25 9 US-10-098-263B-4825 326 10.8 49.1 25 9 US-10-098-263B-4825	324 10.8 49.1 25 9 US-10-098-263B-4808	322 10.8 49.1 25 9 US-10-098-263B-3593	320 10.8 49.1 25.9 US-10-098-263B-2873 321 10.8 49.1 25.9 US-10-098-263B-3593	319 10.8 49.1 25 9 US-10-098-263B-2873	317 10.8 49.1 25 9 US-10-098-263B-2694 318 10.8 49.1 25 9 US-10-098-263B-2694	315 10.8 49.1 25 9 US-10-098-263B-2576	314 10.8 49.1 25 9 US-10-098-263B-2186
378 10.6 48.2 25 9 US-10-215-112-735 Se 379 10.6 48.2 25 9 US-10-215-112-2251 Se 380 10.6 48.2 25 9 US-10-215-112-2251 Se 381 10.6 48.2 25 9 US-10-215-112-3701 Se 382 10.6 48.2 25 9 US-10-215-112-3701 Se 383 10.6 48.2 25 9 US-10-215-112-3701 Se	374 10.6 48.2 24 9 US-10-011-855-3 Se 375 10.6 48.2 24 9 US-10-011-855-7 Se 376 10.6 48.2 24 9 US-10-011-855-7 Se 377 10.6 48.2 25 9 US-10-215-112-735 Se	371 10.6 48.2 24 9 US-09-940-185-1243 Se 372 10.6 48.2 24 9 US-09-940-185-1243 Se 373 10.6 48.2 24 9 US-09-940-185-1243 Se 373 10.6 48.2 24 9 US-10-011-855-3 Se	368 10.6 48.2 17 9 US-09-864-636A-1830 Se 369 10.6 48.2 20 10 US-09-735-995-86 Se 369 10.6 48.2 20 10 US-09-735-995-86 Se	365 10.8 49.1 48 10 US-09-464-767-2 5 366 10.8 49.1 48 10 US-09-464-767-2 5 367 10.6 48.2 17 9 US-09-864-636A-1830 Se	363 10.8 49.1 38 9 US-09-997-848A-3 Se 364 10.8 49.1 38 9 US-09-78-48A-3 Se 364 10.8 49.1 38 9 US-09-78-48A-3 Se	361 10.8 49.1 35 9 US-10-194-594-3 . Se 362 10.8 49.1 35 9 US-10-194-594-3 . Se	359 10.8 49.1 32 9 US-10-282-602-5 Se 360 10.8 49.1 32 9 US-10-282-602-5 Se	357 10.8 49.1 25 9 US-10-098-263B-125766 Se	355 10.8 49.1 25 9 US-10-098-263B-124542 Se 356 10.8 49.1 25 9 US-10-098-263B-124542 Se	353 10.8 49.1 25 9 US-10-098-263B-124541 Se 354 10.8 49.1 25 9 US-10-098-263B-124541 Se	350 10.6 49.1 25 9 US-10-098-263B-110252 Se 351 10.8 49.1 25 9 US-10-098-263B-110252 Se	348 10.8 49.1 25 9 US-10-098-263B-107450 Se 349 10.8 49.1 25 9 US-10-098-263B-109684 Se	346 10.8 49.1 25 9 US-10-098-263B-101571 Se 347 10.8 49.1 25 9 US-10-098-263B-107450 Se	344 10.8 49.1 25 9 US-10-098-263B-101400 Se	341 10.8 49.1 25 9 US-10-098-263B-99205 Se 342 10.8 49.1 25 9 US-10-098-263B-101400 Se	339 10.8 49.1 25 9 US-10-098-263B-79851 Se 340 10.8 49.1 25 9 US-10-098-263B-79851 Se	337 10.8 49.1 25 9 US-10-098-263B-74524 Se 338 10.8 49.1 25 9 US-10-098-263B-74524 Se	335 10.8 49.1 25 9 US-10-098-263B-63695 Se	333 10.8 49.1 25 9 US-10-098-263B-61962 Se 334 10.8 49.1 25 9 US-10-098-263B-61962 Se	331 10.8 49.1 25 9 US-10-098-263B-61572 Se 332 10.8 49.1 25 9 US-10-098-263B-61572 Se	329 10.8 49.1 25 9 US-10-098-263B-53831 Se 330 10.8 49.1 25 9 US-10-098-263B-53831 Se	327 10.8 49.1 25 9 US-10-098-263B-53591 Se	325 10.8 49.1 25 9 US-10-098-263B-48255 Se	324 10.8 49.1 25 9 US-10-098-263B-48087 Se	322 10.8 49.1 25 9 US-10-098-263B-35938 Se	320 10.8 49.1 25.9 US-10-098-263B-28731 Se 321 10.8 49.1 25.9 US-10-098-263B-35938 Se	319 10.8 49.1 25 9 US-10-098-263B-28731 Se	317 10.8 49.1 25 9 US-10-098-263B-26947 Se	315 10.8 49.1 25 9 US-10-098-263B-25767 Se	314 10.8 49.1 25 9 US-10-098-263B-21860 Se
378     10.6     48.2     25     9 US-10-215-112-735     Se       379     10.6     48.2     25     9 US-10-215-112-2251     Se       380     10.6     48.2     25     9 US-10-215-112-2251     Se       381     10.6     48.2     25     9 US-10-215-112-3701     Se       382     10.6     48.2     25     9 US-10-215-112-3701     Se       383     10.6     48.2     25     9 US-10-215-112-3701     Se	374 10.6 48.2 24 9 US-10-011-855-3 Se 375 10.6 48.2 24 9 US-10-011-855-7 Se 376 10.6 48.2 24 9 US-10-011-855-7 Se 377 10.6 48.2 25 9 US-10-215-112-735 Se	371 10.6 48.2 24 9 US-09-940-185-1243 Se 372 10.6 48.2 24 9 US-09-940-185-1243 Se 373 10.6 48.2 24 9 US-09-940-185-1243 Se 373 10.6 48.2 24 9 US-10-011-855-3 Se	368 10.6 48.2 17 9 US-09-864-636A-1830 Se 369 10.6 48.2 20 10 US-09-735-995-86 Se 369 10.6 48.2 20 10 US-09-735-995-86 Se	365 10.8 49.1 48 10 US-09-464-767-2 Sequ. 366 10.8 49.1 48 10 US-09-464-767-2 Sequ. 367 10.6 48.2 17 9 US-09-864-636A-1830 Seque	363 10.8 49.1 38 9 US-09-997-848A-3 Seque 364 10.8 49.1 38 9 US-09-97-848A-3 Seque	361 10.8 49.1 35 9 US-10-194-594-3 Seque 362 10.8 49.1 35 9 US-10-194-594-3 Seque	359 10.8 49.1 32 9 US-10-282-602-5 Seque 360 10.8 49.1 32 9 US-10-282-602-5	357 10.8 49.1 25 9 US-10-098-263B-125766 Seque	355 10.8 49.1 25 9 US-10-098-263B-124542 Seque 356 10.8 49.1 25 9 US-10-098-263B-124542 Seque	353 10.8 49.1 25 9 US-10-098-263B-124541 Se 354 10.8 49.1 25 9 US-10-098-263B-124541 Se	350 10.6 49.1 25 9 US-10-098-263B-110252 Se 351 10.8 49.1 25 9 US-10-098-263B-110252 Se	348 10.8 49.1 25 9 US-10-098-263B-107450 Se 349 10.8 49.1 25 9 US-10-098-263B-109684 Se	346 10.8 49.1 25 9 US-10-098-263B-101571 Se 347 10.8 49.1 25 9 US-10-098-263B-107450 Se	344 10.8 49.1 25 9 US-10-098-263B-101571 Seque	341 10.6 49.1 25 9 US-10-098-263B-99205 Seque 342 10.8 49.1 25 9 US-10-098-263B-9101400 Seque	339 10.8 49.1 25 9 US-10-098-263B-79851 Seque 340 10.8 49.1 25 9 US-10-098-263B-79851 Seque	337 10.8 49.1 25 9 US-10-098-263B-74524 Seque 338 10.8 49.1 25 9 US-10-098-263B-74524 Seque	335 10.8 49.1 25 9 US-10-098-263B-63695 Seque	333 10.8 49.1 25 9 US-10-098-263B-61962 Seque	331 10.8 49.1 25 9 US-10-098-263B-61572 Seque 332 10.8 49.1 25 9 US-10-098-263B-61572 Seque	329 10.8 49.1 25 9 US-10-098-263B-53831 Sequen 330 10.8 49.1 25 9 US-10-098-263B-53831 Sequen	327 10.8 49.1 25 9 US-10-098-263B-53591 Sequen	325 10.8 49.1 25 9 US-10-098-263B-48255 Seque	324 10.8 49.1 25 9 US-10-098-263B-48087 Seque	322 10.8 49.1 25 9 US-10-098-263B-35938 Seque	320 10.8 49.1 25.9 US-10-098-263B-28731 Seque 321 10.8 49.1 25.9 US-10-098-263B-35938 Seque	319 10.8 49.1 25 9 US-10-098-263B-28731 Seque	317 10.8 49.1 25 9 US-10-098-263B-26947 Sequen	315 10.8 49.1 25 9 US-10-098-263B-25767 Sequen	314 10.8 49.1 25 9 US-10-098-263B-21860 Sequen
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RESULT 2
US-10-098-263B-30445/c
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Sequence 30445, Application US/10098263B Publication No. US20030104410A1 GENERAL INFORMATION: APPLICANT: Mittman, Michael APPLICANT: MITTLE OF INVENTION: Human Microarray
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SOFTWARE: Microarray Probe S
SEQ ID NO 30445
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TITLE OF INVENTION: Human Microarray
FILE REFERENCE: 3118.1
CURRENT APPLICATION NUMBER: US/10/098,263B
CURRENT FILING DATE: 2003-01-08
PRIOR APPLICATION NUMBER: 60/276,759
PRIOR FILING DATE: 2001-03-16
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US-10-215-112-11801
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CURRENT APPLICATION NUMBER: US/10/098,263B; CURRENT FILING DATE: 2003-01-08
PRIOR APPLICATION NUMBER: 60/276,759
PRIOR FILING DATE: 2001-03-16
NUMBER: OF SEQ ID NOS: 131066
SOFTWARE: Microarray Probe Sequence Listing Generator V 1: SEQ ID NO 30445
LENGTH: 25
TYPE: DAA
ORGANISM: Homo Bapien
US-10-098-263B-30445
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; Sequence 70455, Application US/10098263B
; Publication No. US20030104410A1
; GENERAL INFORMATION:
; APPLICANT: Mittman, Michael
; TITLE OF INVENTION: Human Microarray
; FILE REFERENCE: 3118.1
; CURRENT APPLICATION NUMBER: US/10/098,263E
; CURRENT FILING DATE: 2003-01-08
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APPLICANT: Mittman, Michael
TITLE OF INVENTION: Human Microarray
FILE REFERENCE: 3118.1
CURRENT APPLICATION NUMBER: US/10/098,263B
CURRENT FILING DATE: 2003-01-08
PRIOR APPLICATION NUMBER: 60/276,759
PRIOR APPLICATION NUMBER: 60/276,759
PRIOR FILING DATE: 2001-03-16
NUMBER OF SEQ ID NOS: 131066
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SEQ ID NO 70455
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; LENGTH: 25
; TYPE: DNA
; ORGANISM: Homo sapien
US-10-098-263B-70455
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US-10-098-263B-70455
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                                                                      NUMBER OF SEQ ID NOS: 131066
SOFTWARE: Microarray Probe S
SEQ ID NO 70455
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Matches 17; Conserv
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PRIOR FILING DATE: 2001-03-16
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US-10-098-263B-87625
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; ORGANISM: Homo sapien
US-10-098-263B-87625
                                                                         Sequence 105385, Application US/10098263B Publication No. US20030104410A1 GENERAL INFORMATION:
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SOFTWARE: Microarray Probe Sequence Listing Generator V 1.1
SEQ ID NO 87625
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                                   APPLICANT: Mittman, Michael TITLE OF INVENTION: Human Microarray
                                                                                                                                                                                                                                                                                                                                                                                                                                                                 PRIOR APPLICATION NUMBER: 60/276,759
PRIOR FILING DATE: 2001-03-16
NUMBER OF SEC TO 1001-03-16
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PRIOR APPLICATION NUMBER: 60/276,759
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CURRENT APPLICATION NUMBER: US/10/098,263B
CURRENT FILING DATE: 2003-01-08
                    FILE REFERENCE: 3118.1
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SOFTWARE: Microarray Probe Sequence Listing Generator V 1.1
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TITLE OF INVENTION: Human Microarray
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                                                                                                                                                                                                                                                                                                                                                             TYPE: DNA
ORGANISM: Homo sapien
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; Pred. No. 7.9e
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Pred. No. 7.
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Query Match
Best Local Similarity
Thes 16; Conserve
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                                                                                        ; ORGANISM: Homo sapien 
US-10-098-263B-67902
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; TYPE: DNA
; ORGANISM: Homo sapien
US-10-098-263B-105385
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; Sequence 105385, Application US/10098263B
; Publication No. US20030104410A1
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     ; TYPE: DNA; Homo sapien; ORGANISM: Homo sapien US-10-098-263B-105385
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                                                                                                                                                                                                                                                                                                                                        Sequence 67902, Application US/10098263B Publication No. US20030104410A1 GENERAL INFORMATION:
                                                                                                                                           NUMBER OF SEQ ID NOS: 131066
SOFTWARE: Microarray Probe Sequence Listing Generator V 1.1
SEQ ID NO 67902
LENGTH: 25
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SEQ ID NO 105385
LENGTH: 25
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Best Local
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TITLE OF INVENTION: Human Microarray
FILE REFERENCE: 3118.1
CURRENT APPLICATION NUMBER: US/10/098,263B
CURRENT FILING DATE: 2003-01-08
PRIOR APPLICATION NUMBER: 60/276,759
PRIOR FILING DATE: 2001-03-16
PRIOR FILING DATE: 2001-03-16
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CURRENT FILING DATE: 2003-01-08
PRIOR APPLICATION NUMBER: 60/276,759
PRIOR FILING DATE: 2001-03-16
NUMBER OF SEQ ID NOS: 131066
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PRIOR FILING DATE: 2001-03-16
NUMBER OF SEQ ID NOS: 131066
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                                                                                                                        LENGTH: 25
TYPE: DNA
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Similarity 100.0%;
14; Conservative (
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                  Conservative
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                                 61.8%;
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; Pred. No.
                0;
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                Score 13.6; DB 9;
Pred. No. 1.3e+03;
0; Mismatches 4
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hes 0;
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hes 0;
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US-10-098-263B-93368/c
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US-10-098-263B-93368
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US-10-098-263B-93368
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PRIOR FILING DATE: 2001-03-16
NUMBER OF SEQ ID NOS: 131066
SOFTWARE: Microarray Probe Sequence I
SEQ ID NO 93368
LENGTH: 25
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TITLE OF INVENTION: Human Microarray
FILE REFERENCE: 3118.1
CURRENT APPLICATION NUMBER: US/10/098,263B
CURRENT FILING DATE: 2003-01-08
PRIOR APPLICATION NUMBER: 60/276,759
PRIOR FILING DATE: 2001-03-16
NUMBER OF SEQ ID NOS: 131066
SOFTWARE: Microarray Probe Sequence Listing Generator V 1.1
SEQ ID NO 67902
                                                                       Sequence 93368, Application US/10098263B Publication No. US20030104410A1 GENERAL INFORMATION:
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FILE REFERENCE:
CURRENT APPLICAT
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CURRENT APPLICATION NUMBER: US/10/098,263B
CURRENT FILING DATE: 2003-01-08
                                    APPLICANT: Mittman, Michael
TITLE OF INVENTION: Human Microarray
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Local Similarity 80.0%;
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   APPLICATION NUMBER: US/10/098,263B
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Pred. No. 1.
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Pred. No. 1.3e+03;
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; SEQ ID NO 42695
; LENGTH: 25
; TYPE: DNA
; ORGANISM: Homo sapien
US-10-098-263B-42695
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NUMBER OF SEQ ID NOS: 131066
SEQ ID NO 42695
LENGTH: 25
TYPE: DNA
RORANISM: Homo sapien
US-10-098-263B-42695
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US-10-098-263B-42695/c
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US-10-098-263B-42695
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; TYPE: DNA
; ORGANISM: Homo sapien
US-10-098-263B-93368
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Best Local
                              Query Match
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TITLE OF INVENTION: Human Microarray
FILE REFERENCE: 3118.1
CURRENT APPLICATION NUMBER: US/10/098,263B
CURRENT FILING DATE: 2003-01-08
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PRIOR FILING DATE: 2001-03-16
NUMBER OF SEQ ID NOS: 131066
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                                                                                                                                             SOFTWARE: Microarray Probe Sequence Listing Generator V 1.1
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Local Similarity 83.
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                83.3%;
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 Score 13.2; DB 9;
Pred. No. 2e+03;
0; Mismatches 3;
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Pred. No. 2e+03;
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US-10-098-263B-83125/c
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                                                                                                                                                          RESULT 17
                                                                                                                                                                                                                                                                                                                                           ; ORGANISM: Homo sapien
US-10-098-263B-83125
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US-10-098-263B-83125
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                                                                                          GENERAL INFORMATION:
                                                                                                        Sequence 41, Application US/10011931
Publication No. US20030026806A1
                                                                                                                                                                                                                                                                                                                                                                                                            NUMBER OF SEQ ID NOS: 131066
SOFTWARE: Microarray Probe Sequence Listing Generator V 1.1
SEQ ID NO 83125
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                                                                       APPLICANT: WITTE, ALISON
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TITLE OF INVENTION: H
FILE REFERENCE: 3118.
                                                                                                                                                                                                                                                                                                                                                                                                                                                            PRIOR APPLICATION NUMBER: 60/276,759 PRIOR FILING DATE: 2001-03-16
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PRIOR FILING DATE: 2001-03-16
NUMBER OF SEQ ID NOS: 131066
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CURRENT FILING DATE: 2003-01-08
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ORGANISM: Homo sapien
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1 Similarity 76.2%;
16; Conservation
T: VEZINA, CHRIS
INVENTION: ANTIBODIES AND OTHER SELECTIVE IL-1 BINDING AGENTS THAT ALLOW BIN
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                                       VARNUM, BRIAN C.
QIAN, ZUEMING
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Pred. No. 2.6e
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Pred. No. 2.
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                                                                                                                                        Sequence 42, Applica Publication No. US20 GENERAL INFORMATION:
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LENGTH: 33
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Publication No.
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              APPLICANT: VARNUM, BRIAN C.

APPLICANT: QIAN, ZUEMING
APPLICANT: VEZINA, CHRIS
TITLE OF INVENTION: ANTIBODIES AND OTHER SELECTIVE IL-1 BINDING
TITLE OF INVENTION: IL-1 RECEPTOR BUT NOT ACTIVATION THEREOF
FILE REFERENCE: A-731
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                                                                       APPLICANT: WITTE, ALISON
APPLICANT: VARNUM, BRIAN
APPLICANT: QIAN, ZUEMING
APPLICANT: VEZINA, CHRIS
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CURRENT FILING DATE: 2002-04-01
PRIOR APPLICATION NUMBER: US 60/244,118
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TITLE OF INVENTION: ANTIBODIES AND OTHER SELECTIVE
TITLE OF INVENTION: IL-1 RECEPTOR BUT NOT ACTIVATI
FILE REFERENCE: A-731
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CURRENT FILING DATE: 2002-04-01
CURRENT APPLICATION NUMBER: US/10/011,931
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PRIOR FILING DATE: 2000-10-27
NUMBER OF SEQ ID NOS: 78
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ORGANISM: Artificial Sequence
                                                                                                                                                                                                                                                                                                                                                                                                                                                            TYPE: DNA ORGANISM: Artificial Sequence
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QIAN, ZUEMING
                                                                                                                                                           Application US/10011931
No. US20030026806A1
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Pred. No. 2.6e+03;
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US-10-011-931-42
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Best Local Similarity
Matches 16; Conserv
                                                                                                                                                                                                      Sequence 56, Application US/10011931
Publication No. US20030026806A1
GENERAL INFORMATION:
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Best Local
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APPLICANT: QIAN, ZUEMING
APPLICANT: VEZINA, CHRIS
TITLE OF INVENTION: ANTIBODIES AND OTHER SELECTIVE
TITLE OF INVENTION: IL-1 RECEPTOR BUT NOT ACTIVATI
FILE REFERENCE: A-731
CURRENT APPLICATION NUMBER: US/10/011,931
CURRENT FILING DATE: 2002-04-01
PRIOR APPLICATION NUMBER: US 60/244,118
PRIOR FILING DATE: 2000-10-27
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             CURRENT APPLICATION NUMBER: US/10/011,931
CURRENT FILING DATE: 2002-04-01
PRIOR APPLICATION NUMBER: US 60/244,118
PRIOR FILING DATE: 2000-10-27
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PRIOR APPLICATION NUMBER: US 60/244,118
PRIOR FILING DATE: 2000-10-27
                                                                                                                                                                     APPLICANT: WITTE, APPLICANT: VARNU
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NUMBER OF SEQ ID NOS: 78
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                                                                                                                                                                     VARNUM, BRIAN C.
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QIAN, ZUEMING
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                                                                                                                                                                                   ALISON
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Pred. No. 2.6e+03;
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Pred. No.
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OTHER INFORMATION: KAPPA CHAIN HUMANIZATION OLIGONUCLEOTIDE US-10-011-931-56
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US-10-011-931-56/c
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Best Local Simi
Matches 16;
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NUMBER OF SEQ ID NOS: 78
SOFTWARE: PatentIn version 3.1
                            CURRENT FILING DATE: 2002-04-01
PRIOR APPLICATION NUMBER: US 60/244,118
PRIOR FILING DATE: 2000-10-27
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TITLE OF INVENTION: ANTIBODIES AND OTHER SELECTIVE IL-1 BINDING AGENTS THAT ALLOW BI
TITLE OF INVENTION: IL-1 RECEPTOR BUT NOT ACTIVATION THEREOF
FILE REFERENCE: A-731
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CURRENT FILING DATE: 2002-04-01
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                                                                     CURRENT APPLICATION NUMBER: US/10/011,931
CURRENT FILING DATE: 2002-04-01
                                                                                                         APPLICANT: VEZINA, CHRIS
TITLE OF INVENTION: ANTIBODIES AND OTHER SELECTIVE IL-1 BINDING AGENTS THAT ALLOW
TITLE OF INVENTION: IL-1 RECEPTOR BUT NOT ACTIVATION THEREOF
FILE REFERENCE: A-731
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APPLICANT: QIAN, ZUEMING
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TYPE: DNA
ORGANISM: Artificial Sequence
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TYPE: DNA
ORGANISM: Artificial Sequence
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Pred. No. 2
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Pred. No. 2.6e+03;
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FILE REFERENCE: 3118.1
CURRENT APPLICATION NUMBER: US/10/098,263B
CURRENT FILING DATE: 2003-01-08
PRIOR APPLICATION NUMBER: 60/276,759
PRIOR FILING DATE: 2001-03-16
NUMBER OF SEQ ID NOS: 131066
SOFTWARE: Microarray Probe Sequence Listing Ge
SEQ ID NO 60005
LENGTH: 25
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Query Match
Best Local Similarity
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LENGTH: 33
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CURRENT FILING DATE: 2002-04-01
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TITLE OF INVENTION: ANTIBODIES AND OTHER SELECTIVE IL-1 BINDING AGENTS THAT ALLOW BIN
TITLE OF INVENTION: IL-1 RECEPTOR BUT NOT ACTIVATION THEREOF
FILE REFERENCE: A-731
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                                                               TYPE: DNA
ORGANISM: Homo sapien
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QIAN, ZUEMING
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58.2%;
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Pred. No. 2.6e+03;
Score 12.8; DB 9;
Pred. No. 3.2e+03;
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; ORGANISM: Homo sapien
US-10-098-263B-88139
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Sequence 88139, Application US/10098263B Publication No. US20030104410A1 GENERAL INFORMATION:
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SOFTWARE: Microarray Probe Sequence Listing Generator V
SEQ ID NO 60005
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SOFTWARE: Microarray Probe Sequence Listing Generator V 1.1
SEQ ID NO 88139
LENGTH: 25
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Best Local S
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Best Local
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CURRENT FILING DATE: 2003-01-08
PRIOR APPLICATION NUMBER: 60/276,759
PRIOR FILING DATE: 2001-03-16
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PRIOR FILING DATE: 2001-03-16
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TYPE: DNA
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Pred. No. 3.2e+03;
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Pred. No. 3
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APPLICANT: Mittman, Michael TITLE OF INVENTION: Human Microarray

FILE REFERENCE: 3118.1

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RESULT 30
US-09-745-317-15/c
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; Sequence 15, Application US/09745317

; Publication No. US20020187470A1
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; ORGANISM: Homo sapien
US-10-098-263B-88139
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SOFTWARE: Microarray Probe Sequence Listing Generator V 1.1
SEQ ID NO 88139
                                                                                                                                                                                                Sequence 15, Application US/09745317 Publication No. US20020187470A1
                                                                                                                                                                                 GENERAL INFORMATION:
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                                                                                                                      APPLICANT: Casey, Warren APPLICANT: Chen, Jingwen APPLICANT: Muth, Heidi
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      APPLICANT: Casey, Warren APPLICANT: Chen, Jingwen APPLICANT: Muth, Heidi
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SOFTWARE: FastSEQ for Windows Version 4.0
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           CURRENT APPLICATION NUMBER: US/09/745,317
CURRENT FILING DATE: 2000-12-21
                                APPLICANT: Weiner, Michael Philip
TITLE OF INVENTION: DETECTION OF SINGLE NUCLEOTIDE
TITLE OF INVENTION: POLYMORPHISMS
FILE REFERENCE: 07083.0006U2
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TILE OF INVENTION: DETECTION OF SINGLE NUCLEOTIDE
TILE OF INVENTION: POLYMORPHISMS
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LENGTH: 25
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APPLICATION NUMBER: US/09/745,317 FILING DATE: 2000-12-21
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                                                                                                     Taylor, David
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Pred. No. 4.1e
0; Mismatches
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Pred. No. 3
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; LENGTH: 25
; TYPE: DNA
; ORGANISM: Homo sapien
US-10-098-263B-130373
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; Sequence 130373, Application US/10098263B
; Publication No. US20030104410A1
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SOFTWARE: Microarray Probe S
SEQ ID NO 130373
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                                                                                                                            SEQ ID NO 130373
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Query Match
Best Local Similarity
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CURRENT FILING DATE: 2003-01-08
PRIOR APPLICATION NUMBER: 60/276,759
PRIOR FILING DATE: 2001-03-16
                                                                                                                                                        PRIOR APPLICATION NUMBER: 60/276,759
PRIOR FILING DATE: 2001-03-16
NUMBER OF SEQ ID NOS: 131066
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                                                                                                                                           SOFTWARE: Microarray Probe Sequence Listing Generator V 1.1
                                                                                                                                                                                                                  CURRENT APPLICATION NUMBER: US/10/098,263B CURRENT FILING DATE: 2003-01-08
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     ORGANISM: Artificial Sequence FEATURE:
                                                                  TYPE: DNA
ORGANISM: Homo sapien
                                                                                                      ENGTH: 25
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les 15; Conserv
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78.9%;
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 57.3%;
78.9%;
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Pred. No. 4.1e+03;
0; Mismatches 4;
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Pred. No. 4.1e+03
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 Score 12.6; DB 9;
Pred. No. 4.1e+03;
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RESULT 35
US-10-098-263B-30446
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PRIOR FILING DATE: 2001-03-16

NUMBER OF SEQ ID NOS: 131066

SOFTWARE: Microarray Probe Sequence Listing Generator V 1.
SEQ ID NO 21859

LENGTH: 25

TYPER: *****
                                                             Sequence 30446, Application US/10098263B Publication No. US20030104410A1 GENERAL INFORMATION:
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TITLE OF INVENTION: Human Microarray
FILE REFERENCE: 3118.1
CURRENT APPLICATION NUMBER: US/10/098,263B
CURRENT FILING DATE: 2003-01-08
PRIOR APPLICATION NUMBER: 60/276,759
PRIOR FILING DATE: 2001-03-16
NUMBER OF SEQ ID NOS: 131066
                                APPLICANT: Mittman, Michael TITLE OF INVENTION: Human Microarray
                   FILE
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                                                                                                                                                                                                                                                                                                            LENGTH: 25
TYPE: DNA
ORGANISM: Homo sapien
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                 REFERENCE:
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92.9%;
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92.9%;
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Pred. No. 5.2e+03;
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Pred. No. 5.2e+03;
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; TYPE: DNA
; ORGANISM: Homo sapien
US-10-098-263B-70456
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; TYPE: DNA
; ORGANISM: Homo sapien
US-10-098-263B-30446
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; TYPE: DNA
; ORGANISM: Homo sapien
US-10-098-263B-30446
                                                                                                                                                                                                                                                                                          Sequence 70456, Application US/10098263B Publication No. US20030104410A1 GENERAL INFORMATION:
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CURRENT FILING DATE: 2003-01-08
PRIOR APPLICATION NUMBER: 60/276,759 .
PRIOR FILING DATE: 2001-03-16
                                                                                                                                                                                                                                              APPLICANT: Mittman, Michael
TITLE OF INVENTION: Human Microarray
FILE REFERENCE: 3118.1
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       APPLICANT: Mittman, MiTITLE OF INVENTION: HuFILE REFERENCE: 3118.1
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CURRENT APPLICATION NUMBER: US/10/098,263B
CURRENT FILING DATE: 2003-01-08
PRIOR APPLICATION NUMBER: 60/276,759
PRIOR FILING DATE: 2001-03-16
NUMBER OF SEQ ID NOS: 131066
SOFTWARE: Microarray Probe Sequence Listing Generator V 1.1
SEQ ID NO 30446
                                                                                                                                   CURRENT APPLICATION NUMBER: US/10/098,263B
CURRENT FILING DATE: 2003-01-08
PRIOR APPLICATION NUMBER: 60/276,759
PRIOR FILING DATE: 2001-03-16
NUMBER OF SEQ ID NOS: 131066
SOFTWARE: Microarray Probe Sequence Listing
SEQ ID NO 70456
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Score 12.4; DB 9;
Pred. No. 5.2e+03;
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Pred. No. 5.2e+03;
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RESULT 38
US-10-098-263B-70456/c
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; ORGANISM: Homo sapien
US-10-098-263B-87626
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PRIOR PILING DATE: 2001-03-16
NUMBER OF SEQ ID NOS: 131066
SOFTWARE: Microarray Probe Sequence Listing Generator V 1.1
SEQ ID NO 70456
LENGTH: 25
LENGTH: 25
TYPE: DNA
ORGANISM: Homo sapien
US-10-098-263B-70456
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US-10-098-263B-87626/c
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US-10-098-263B-87626
               Sequence 87626, Application US/10098263B Publication No. US20030104410A1 GENERAL INFORMATION:
APPLICANT: Mittman, Michael TITLE OF INVENTION: Human Microarray FILE REFERENCE: 3118.1
                                                                                                                                                                                                                                                                                                                                                                                                                                                                APPLICANT: Mittman, Michael
TITLE OF INVENTION: Human Microarray
FILE REFERENCE: 3118.1
CURRENT APPLICATION NUMBER: U5/10/098,263B
CURRENT FILING DATE: 2003-01-08
PRIOR APPLICATION NUMBER: 60/276,759
PRIOR FILING DATE: 2001-03-16
NUMBER OF SEQ ID NOS: 131066
SOFTWARE: Microarray Probe Sequence Listing Generator V 1.1
SEQ ID NO 87626
LENGTH: 25
TYPE: NUM
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APPLICANT: MICHMAN
TITLE OF INVENTION: Human Microarray
FILE REFERENCE: 3118.1
CURRENT APPLICATION NUMBER: US/10/098,263B
CURRENT FILING DATE: 2003-01-08
CURRENT FILING DATE: 2003-01-08
                                                                                                                                                                                                                                                                                                                    Query Match 56.4%; Score 12.4; Best Local Similarity 72.7%; Pred. No. 5 Matches 16; Conservative 0; Mismatch
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CURRENT APPLICATION NUMBER: US/10/098,263B
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Local Similarity 92.9%;
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Pred. No. 5.2e+03;
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CURRENT FILING DATE: 2003-01-08;
PRIOR APPLICATION NUMBER: 60/276,759;
PRIOR FILING DATE: 2001-03-16

NUMBER OF SEQ ID NOS: 131066;
SOFTWARE: Microarray Probe Sequence Listing Generator V 1.1;
SEQ ID NO 87626;
LENGTH: 25

TYPE: DNA
ORGANISM: Homo sapien

US-10-098-263B-87626

Query Match
Best Local Similarity 72.7%; Pred. No. 5.2e+03;
Matches 16; Conservative 0; Mismatches 6; Indels 0; Gap

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QUERY MATCHES 1 CTGAGACTCAAATTGGTATCAG 2
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Search completed: June 14, 2003, 23:29:10 Job time: 125 secs

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1 (Dases 1 to 48)

Hillier,L., Allen,M., Bowles,L., Dubuque,T., Geisel,G., Jost,S., Krizman,D., Kucaba,T., Lacy,M., Le,N., Lennon,G., Marra,M., Martin,J., Moore,B., Schellenberg,K., Steptoe,M., Tan,F., Theising,B., White,Y., Wylie,T., Waterston,R. and Wilson,R.
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at30f01.x1 Barstead colon HPLRB7 Homo sapiens cDNA clone
IMAGE:2373529 3', similar to SW:RS29 HUMAN P30054 40S RIBOSOMAL
Washington University School of Medicine
4444 Forest Park Parkway, Box 8501, St. Louis,
                     Unpublished (1997
               Contact: Wilson RK
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Email: est@watson.wustl.edu
This clone is available royalty-free through LLNL; contact the
IMAGE Consortium (info@image.llnl.gov) for further information.
Trace considered overall poor quality
Possible reversed clone: similarity on wrong strand
Seq primer: -40UP from Gibco
High quality sequence stop: 1.
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Fax: 314 286 1810
Email: est@watson.wustl.edu
This clone is available royalty-free through LLNL; contact the
IMAGE Consortium (info@image.llnl.gov) for further information.
Trace considered overall poor quality
Possible reversed clone: similarity on wrong strand
Seq primer: -40UP from Gibco
High quality sequence stop: 1.
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Contact: Wilson RK
Washington University School of Medicine
Washington University School of Medicine
4444 Forest Park Parkway, Box 8501, St. Louis,
                                                                                                                                                                                                                                                                                                                           ,J., Moore,B., Schellenberg
White,Y., Wylie,T., Waterst
WashU-NCI human EST Project
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/sex="male"
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                                                                                                                                                                                          Eukaryota; Metazoa; Chordata; Craniata; Vertebrata; Euteleostomi; Mammalia; Eutheria; Primates; Catarrhini; Hominidae; Homo.

1 (bases 1 to 50)

Suzuki, Y., Taira, H., Tsunoda, T., Mizushima-Sugano, J., Sese, J., Hat, Ota, T., Isogai, T., Tanaka, T., Morishita, S., Okubo, K., Sakaki, Y., Nakamura, Y., Suyama, A. and Sugano, S.

Diverse transcriptional initiation revealed by fine, large-scale mapping of mRNA start sites

EMBO Rep. 2 (5), 388-393 (2001)
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1 CTGAGACCGATATCGGTCTCAG
                                     16;
                                                                                                                                                                                                                                                  Department of Virology
Institute of Medical Science, University of Tokyo
4-6-1, Shirokanedai, Minatoku, Tokyo 108-8639, Jaj
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                                                Similarity
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a 14 c
                                                                                          /clone lib="Sugano Homo sapiens cDNA library"
/note="Differential display comparison of untreated
dimethylfumarate treated U937 cells"
2 1 c 14 g 12 t
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/db_xref="taxon:9606"
/clone="HEP00818"
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/db_xref="taxon:9606"
/clone="IMAGE:237529"
/clone_lib="Barstead colon HPLRB7"
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Pred. No. 5.4e+04;
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plasmid inserts
Unpublished (2000)
Contact: Robert B. W
University of Utah C
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                                                                                Eukaryota; Metazoa; Chordata; Craniata; Vertebrata; Euteleostomi; Mammalia; Eutheria; Rodentia; Sciurognathi; Muridae; Murinae; Mus. 1 (bases 1 to 32)

Dunn,D., Aoyagi,A., Barber,M., Beacorn,T., Duval,B., Hamil,C., Islam,H., Longacre,S., Mahmoud,M., Meenen,E., Pedersen,T., Reilly,M., Rose,M., Rose,R., Stokes,R., Tingey,A., von Niederhausern,A. and Wright,D., Weiss,R.
                                                                                                                                                                                                                                                                                                                                                     32 bp DNA linear GSS 0: 1M0355120R Mouse 10kb plasmid UUGC1M library Mus musculus clone UUGC1M0355120 R, DNA sequence.
AZ511046
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Department of Virology
Institute of Medical Science, University of Tokyo
4-6-1, Shirokanedai, Minatoku, Tokyo 108-8639, Japan
Email: ysuzuki@ins.u-tokyo.ac.jp
Suzuki,Y., Yoshitomo-Nakagawa,K., Maruyama,K., Suyama,A.,S. Construction and characterization of a full lengthea a 5'-end-enriched cDNA library. Gene 200 (1-2), 149-156
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                1 (bases 1 to 50)
Suzukl., Taira, H., Tsunoda, T., Mizushima-Sugano, J., Sese, J., He, Ota, T., Isogai, T., Tanaka, T., Morishita, S., Okubo, K., Sakaki, Y., Nakamura, Y., Suyama, A. and Sugano, S.
Diverse transcriptional initiation revealed by fine, large-scale mapping of mRNA start sites
EMBO. Rep. 2 (5), 388-393 (2001)
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HEP00818, mRNA sequence.
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/note="Differential display comparison of untreated
dimethylfumarate treated U937 cells"
21 c 14 g 12 t
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|db_xref="taxon:9606"
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72.7%;
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Insert Length: 10000 Std Error:
Plate: 0355 row: I column: 20
Contact: Robert B. Weiss
University of Utah Genome Center
                                           plasmid inserts
Unpublished (2000)
                                                                                                       Eukaryota; Metazoa; Chordata; Craniata; Vertebrata; Euteleostomi; Mammalia; Eutheria; Rodentia; Sciurognathi; Muridae; Murinae; Mus 1 (Dases 1 to 32)
Dunn, D., Aoyagi, A., Barber, M., Beacorn, T., Duval, B., Hamil, C., Islam, H., Longacre, S., Mahmoud, M., Meenen, E., Pedersen, T., Reilly, M., Rose, M., Rose, R., Stokes, R., Tingey, A., von Niederhausern, A., and Wright, D., Weiss, R.
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                                                                                       whole genome scaffolding with paired end reads from 10kb
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musculus C57BL/6J (male) was obtained f)
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/lab host="E. Coli strain XL10-Gold, T1-resistant, F
/lab host="E. Coli strain XL10-Gold, T1-resistant, F
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/clone="UUGC1M0355120"
/clone_lib="Mouse 10kb plasmid UUGC1M library"
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strain="C57BL/6J"
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75.0%;
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Pred. No. 9.2e+04;
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                                                                     1 (bases 1 to 37)
Hillier,L., Clark,N., Dubuque,T., Elliston,K., Hawkins,M.,M., Hultman,M., Kucaba,T., Le,M., Lennon,G., Marra,M., I Rifkin,L., Rohlfing,T., Soares,M., Tan,F., Trevaskis,E., R., Williamson,A., Wohldmann,P. and Wilson,R.
The WashU_Merck EST Project
                                                                                                                                                                                                                                                                                                                                                                                                                             N32567 37 bp mRNA linear EST 10 yw86605.s1 Soares placenta 8tc9weeks 2NbHP8tc9W Homo sapic clone IMAGE:259136 3' similar to gb:X52192 PROTO-ONCOGENE TYROSINE-PROTEIN KINASE FES/FPS (HUMAN); mRNA sequence.
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                                                                                                                                                                                                                                                                                            Homo sapiens
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Washington University School of Medicine
                      Contact: Wilson RK
                                                  Unpublished
                                                                                                                                                                                                                                          Mammalia;
                                                                                                                                                                                                                                                                                                                                                                             N32567.1 GI:1152966
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Insert Length: 10000 Std Error:
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Fax: 801 585 7177
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Rm. 308, Biomedical Polymers Research Bldg.,
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                                                                                                                                                                                                                                       Eutheria;
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/clone="UUGC1M0355I20"
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/strain="C57BL/6J"
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75.0%;
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Best Local Similarity
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High quality sequence stops: 1
Source: IMAGE Consortium, LLNL
This clone is available royalty-free through LLNL; contact the IMAGE Consortium (info@image.llnl.gov) for further information.
Trace considered overall poor quality
Seq primer: m13 -40 forward
High quality sequence stop: 1.
                 High quality sequence starts: 1
High quality sequence stops: 1
Source: IMAGE Consortium, LLNL
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Hiller,L., Clark,N., Dubuque,T., Elliston,K., Hawkins,M., Holman,M., Kucaba,T., Le,M., Lennon,G., Marra,M., Parsons,J., Rifkin,L., Rohlfing,T., Soares,M., Tan,F., Trevaskis,E., Waterston,R., Williamson,A., Wohldmann,P. and Wilson,R.
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                                                                                 Email: est@watson.wustl.edu
                                                                                                  Tel: 314 286 1800
Fax: 314 286 1810
    This clone is
                                                                                                                                         Washington University School of Medicine
                                                                                                                                                                                      Contact: Wilson RK
                                                                                                                                                                                                          Tduquu
                                                                                                                                                                                                                                                                                                                                                 Eukaryota; Metazoa; Chordata; Craniata; Vertebrata; Euteleostomi;
Mammalia; Eutheria; Primates; Catarrhini; Hominidae; Homo.
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Fax: 314 286 1810
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                                                                                                                                                                                                       ished (1995
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/dev_stage="two placentae: one from 8 weeks and another
from 9 weeks post conception"
/lab_host="DH10B (ampicillin resistant)"
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available royalty-free through LLNL; contact the
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NIH-MGC http://mgc.nci.nih.gov/.
National Institutes of Health, Mammalian Gene Collection (MGC)
Unpublished (1999)
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                                                                                                                                                                                                                                                                                                                             Email: cgapbs-r@mail.nih.gov
Tissue Procurement: Life Technologies,
                                                                                                                                                                                                                                                                                                                                                                                                                                                Eukaryota; Metazoa; Chordata; Craniata; Vertebrata; Euteleostomi;
Mammalia; Eutheria; Primates; Catarrhini; Hominidae; Homo.
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Location/Qualifiers
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                                                                                                                                                                                                                         found through the I.M.A.G.E. Consortium/LLNL http://image.llnl.gov
                                                                                                                                                                                                                                                                                                                                                                 Contact: Robert Strausberg, Ph.D.
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                                                                                                                                                                                                                                                           CDNA Library Preparation: Life Technologies, Inc. CDNA Library Arrayed by: The I.M.A.G.E. Consortium (LLNL) DNA Sequencing by: Incyte Genomics, Inc. Clone distribution: MGC clone distribution information can
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/db xref="taxon:9606"
/clone="IMAGE 5207441"
/clone=11b="NIH MGC 122"
/lab host="DH108"
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M.Fatima Bonaldo."
a 10 c 11 g 10 t 1 others
/note-"Organ: pooled lung and spleen; Vector: pCMV-SPORT6; Site_1: NotI; Site_2: EcoRV (destroyed); RNA source anonymous pool of \overline{2}4 week female lung, 16 week female spleen, and 20-22 week male spleens. Library is oligo-dT
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31
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            Contact: Robert Strausberg, Ph.D. Email: cgapbs-r@mail.nih.gov
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          1 (bases 1 to 39)
NIH-MGC http://mgc.nci.nih.gov/.
National Institutes of Health, Mammalian Gene Collection (MGC)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    Eukaryota; Metazoa; Chordata; Craniata; Vertebrata; Euteleostomi; Mammalia; Eutheria; Primates; Catarrhini; Hominidae; Homo.
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603058167F1 NIH_MGC_122 Homo
                                                                                                                                                                                                                                                                                                                                                                                                                                                      High quality sequence stop: 39.
Location/Qualifiers
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         found through the I.M.A.G.E. Consortium/LLNL http://image.llnl.gov
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                Tissue Procurement: Life Technologies,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 Unpublished (1999)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        Homo sapiens
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        Plate: LLAM11520 row: f column: 18
                                                                                 Similarity
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CDNA Library Arrayed by: The I.M.A.G.E. Consortium (LLNL)
DNA Sequencing by: Incyte Genomics, Inc.
Clone distribution: MGC clone distribution information can be
                              GAGACCGATATCGGTCTCAG 22
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   CTGCGACTGCTGTCGGTGTC 31
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            CTGAGACCGATATCGGTCTC 20
                                                                 54.5%;
larity 75.0%;
Conservative
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                                                                                                                                                  /note="Organ: pooled lung and spleen; Vector: pCMV-SPORT6;
Site 1: NotI; Site 2: EcoRV (destroyed); RNA source
anonymous pool of 24 week female lung, 16 week female
spleen, and 20-22 week male spleens. Library is oligo-dT
primed and directionally cloned (EcoRV site is destroyed
upon cloning). Average insert size 1.4 kb, insert size
range 1-3 kb. Library is normalized and enriched for
full-length clones and was constructed by C. Gruber
(Invitrogen). Research Genetics tracking code 026. Note:
this is a NIH MGC Library "
3 a 9 c 20 g 7 t
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3 9 c 20 g 7 t
                                                                                                                                                                                                                                                                                                                                                                                 organism="Homo sapiens"
/db_xref="taxon:9606"
/clone="IMAGE:5207441"
                                                                                                                                                                                                                                                                                                                                                             clone_lib="NIH_MGC_122"
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Pred. No. 9.7e+04;
D; Mismatches 5;
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clone IMAGE:5207441 5',
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Query Match
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Matches 15
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Suzuki,Y., Taira,H., Tsunoda,T., Mizushima-Sugano,J., Sese,J., HaSuzuki,Y., Taira,H., Tsunoda,T., Morishita,S., Okubo,K., Sakaki,H., Ota,T., Isogai,T., Tanaka,T., Morishita,S., Okubo,K., Sakaki,Y., Nakamura,Y., Suyama,A. and Sugano,S.
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AU106749 Sugano Homo sapiens
KAT05789, mRNA sequence.
AU106749
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15; Conserv
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   Department of Virology
Institute of Medical Science, University of Tokyo
1nstitute of Medical Science, University of Tokyo
4-6-1, Shirokanedai, Minatoku, Tokyo 108-8639, Japan
Email: ysuzuki@ims.u-tokyo.ac.jp
Suzuki,Y., Yoshitomo-Nakagawa,K., Maruyama,K., Suyama,A. and Sugano
Suzuki,Y., Yoshitomo-Nakagawa,K., Maruyama,K., Suyama,A. and Sugano
3. Construction and characterization of a full length-enriched and
a 5'-end-enriched cDNA library. Gene 200 (1-2), 149-156 (1997).
Location/Qualifiers
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Diverse transcriptional initiation revealed by fine,
mapping of mRNA start sites
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KAT05789, mRNA sequence.
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                            Department of Virology Institute of Medical S
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Suzuki,Y., Taira,H., Tsunoda,T., Mizushima-Sugano,J.,
H., Ota,T., Isogai,T., Tanaka,T., Morishita,S., Okub
                                                                              Contact: Yutaka Suzuki
                                                                                                             21270072
                                                                                                                                    mapping of mRNA start sites
EMBO Rep. 2 (5), 388-393 (2)
                                                                                                                                                                                      Diverse transcriptional initiation revealed by fine, large-scale
                                                                                                                                                                                                                                                                                                                       Eukaryota; Metazoa; Chordata; Craniata; Vertebrata; Euteleostomi;
Mammalia; Eutheria; Primates; Catarrhini; Hominidae; Homo.
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Mammalia; Eutheria; Primates; Catarrhini; Hominidae; Homo.
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ute of Medical Science, University of Tokyo
Shirokanedai, Minatoku, Tokyo 108-8639, Jaj
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   /clone_lib="Sugano Homo sapiens cDNA library"
/note="Differential display comparison of untreated and
dimethylfumarate trated U937 cells"
11 c 18.g 13 t
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/db_xref="taxon:9606"
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cDNA library Homo sapiens cDNA
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Department of Virology
Institute of Medical Science, University of Tokyo
4-6-1, Shirokanedal, Minatoku, Tokyo 108-8639, Japan
Email: ysuzuki@ims.u-tokyo.ac.jp
Suzuki, Y., Yoshitomo-Nakagawa, K., Maruyama, K., Suyama, A. and Sugano, S. Construction and characterization of a full length-enriched and a 5'-end-enriched cDNA library. Gene 200 (1-2), 149-156 (1997).
Location/Qualifiers
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Suzuki,Y., Taira,H., Tsunoda,T., Mizushima-Sugano,J., Sese,J., Haynota,T., Tsunoda,T., Morishita,S., Okubo,K., Sakaki,H., Ota,T., Isogai,T., Tanaka,T., Morishita,S., Okubo,K., Sakaki,Y., Nakamura,Y., Suyama,A. and Sugano,S.
Diverse transcriptional initiation revealed by fine, large-scale
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Suzuki,Y., Yoshitomo-Nakagawa,K., Maruyama,K., Suyama,A. and Sugano
,S. Construction and characterization of a full length-enriched and
a 5'-end-enriched cDNA library. Gene 200 (1-2), 149-156 (1997).
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Mammalia; Eutheria; Primates;
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/note="Differential display comparison of untreated dimethylfumarate treated U937 cells"
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/db_xref="taxon:9606"
/clone="KAT95789"
/clone=lib="Sugano Homo sapiens cDNA library"
/note="Differential display comparison of untreated dimethylfumarate treated U937 cells"
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/db_xref="taxon:9606"
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Mammalia; Eutheria; Primates; Catarrhini; Hominidae; H
1 (bases 1 to 50)
Suzuki,Y., Taira,H., Tsunoda,T., Mizushima-Sugano,J.,
H., Ota,T., Isogai,T., Tanaka,T., Morishita,S., Okubo,
Y., Nakamura,Y., Suyama,A. and Sugano,S.
Diverse transcriptional initiation revealed by fine, 1
mapping of mRNA start sites
EMBO Rep. 2 (5), 388-393 (2001)
Department of Virology
Institute of Medical Science, University of Tokyo
4-6-1, Shirokanedai, Minatoku, Tokyo 108-8639, Jap
Email: ysuzuki@ims.u-tokyo.ac.jp
Suzuki,Y., Yoshitomo-Nakagawa,K., Maruyama,K., Suy
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Suzuki,Y., Taira,H., Tsunoda,T., Mizushima-Sugano,J., Sese,J., H., Ota,T., Isogai,T., Tanaka,T., Morishita,S., Okubo,K., Sakak.,Y., Makamura,Y., Suyama,A. and Sugano,S.
Diverse transcriptional initiation revealed by fine, large-scale
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               Contact: Yutaka Suzuki
Department of Virology
Institute of Medical Science, University of Tokyo
4-6-1, Shirokanedai, Minatoku, Tokyo 108-8639, Jap
Email: ysuzuki@ims.u-tokyo.ac.jp
Suzuki,Y., Yoshitomo-Nakagawa,K., Maruyama,K., Suy
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   AU107183
AU107183 Sugano Homo sap
COLF0623, mRNA sequence.
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dimethylfumarate treated U937 cells"
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Okubo,K., Sakaki
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Department of Virology
Institute of Medical Science, University of Tokyo
4-6-1, Shirokanedai, Minatoku, Tokyo 108-8639, Japan
Email: yeuzuki@ims.u-tokyo.ac.jp
Suzuki;Y., Yoshitomo-Nakagawa,K., Maruyama,K., Suyama,A. and Sugano
Suzuki,Y., Yoshitomo-Nakagawa,K., Maruyama,K., Suyama,A. and Sugano
,S. Construction and characterization of a full length-enriched and
,S. Construction and characterization of a full length-enriched and
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Suzuki,Y., Taira,H., Tsunoda,T., Mizushima-Sugano,J., Sese,J., Hr, Ota,T., Isogai,T., Tanaka,T., Morishita,S., Okubo,K., Sakak. Y., Nakamura,Y., Suyama,A. and Sugano,S.
Diverse transcriptional initiation revealed by fine, large-scale mapping of mRNA start sites
EMBO Rep. 2 (5), 388-393 (2001)
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AU107184 Sugano Homo sapiens
COLF1135, mRNA sequence.
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    Construction and characterization of a full length-enriched
    -end-enriched cDNA library. Gene 200 (1-2), 149-156 (1997).
    Location/Qualifiers

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/clone="ColfF1135"
/clone=lib="Sugano Homo sapiens cDNA library"
/note="Differential display comparison of unto
dimethylfumarate treated U937 cells"
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/clone="CDLF1135"
/clone libb"Sugano Homo sapiens cDNA library"
/note="Differential display comparison of untreated dimethylfumarate treated U937 cells"
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Suzuki,Y., Taira,H., Tsunoda,T., Mizushima-Sugano,,H., Ota,T., Isogai,T., Tanaka,T., Morishita,S., C.,Y., Nakamura,Y., Suyama,A. and Sugano,S.
Diverse transcriptional initiation revealed by fin mapping of mRNA start sites
EMBO Rep. 2 (5), 388-393 (2001)
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HEP02932, mRNA sequence.
AU107185
AU107185.1 GI:13556706
                                                                                                                                                                                                                                                                                                                                                                                                  Department of Virology
Institute of Medical Science, University of Tokyo
4-6-1, Shirokanedai, Minatoku, Tokyo 108-8639, Japan
Email: ysuzuki@ims.u-tokyo.ac.jp
Suzuki,Y., Yoshitomo-Nakagawa,K., Maruyama,K., Suyama,A. and Suzuki,Y., Yoshitomo-Nakagawa,K., Maruyama,K., Buyama,A. and Suzuki,Y., Yoshitomo-Nakagawa,K., Gene 200 (1-2), 149-156 (1997).
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Mammalia; Eutheria;
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CTGAGAGCAAGATGGGTCAC 40
                                       CTGAGACCGATATCGGTCTC 20
                                                                                    Conservative
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/clone lib="Sugano Homo sapiens cDNA library"
/clone lib="Sugano Homo sapiens cDNA library"
/note="Differential display comparison of unt
dimethylfumarate treated U937 cells"
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/db_xref="taxon:9606"
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Contact: Yutaka Suzuki
Department of Virology
Institute of Medical Science, University of Toky
4-6-1, Shirokanedai, Minatoku, Tokyo 108-8639, J
Email: ysuzuki@ims u-cokyo.ac.jp
Suzuki,Y., Yoshitomo-Nakagawa,K., Maruyama,K., S
',S. Construction and Characterization of a full
a 5'-end-enriched cDNA library. Gene 200 (1-2), Diverse transcriptional initiation revealed mapping of mRNA start sites EMBO Rep. 2 (5), 388-393 (2001) 21270072 AU107185 50 AU107185 Sugano Homo sapiens HEP02932, mRNA sequence. AU107185 1 (bases 1 to 50)
Suzuki,Y., Taira,H., Tsunoda,T.,
H. Ota,T., Isogai,T., Tanaka,T.,
Y., Nakamura,Y., Suyama,A. and Eukaryota; Metazoa; Mammalia; Eutheria; GI:13556706 Chordata; Craniata; Vertebrata; Euteleostomi; Primates; Catarrhini; Hominidae; Homo. Tsunoda,T., Mizushima-Sugano,J., Sese, T., Tanaka,T., Morishita,S., Okubo,K., Science, University of Tokyo Minatoku, Tokyo 108-8639, Jaj CDNA Sugano, library mRNA ıınear EST Homo sapiens c by fine, large-scale Suyama, A. and Sugano Japan length-enriched 149-156 (1997). CDNA 30-AUG-2001 clone

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08:12:13 2003

Sakaki

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RESULT 20
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AU107188
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LNG05625,
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Institute of Medical Science, University of Tokyo
1-6-1, Shirokanedal, Minatoku, Tokyo 108-8639, Japan
Email: ysuzuki@ims.u-tokyo.ac.jp
Suzuki,Y., Yoshitomo-Nakagawa,K., Maruyama,K., Suyama,A. and Sug.,S. Construction and characterization of a full length-enriched a 5'-end-enriched CDNA library. Gene 200 (1-2), 149-156 (1997).
                                                                                                                                                       1 CTGAGACCGATATCGGTCTC 20
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Diverse transcriptional initiation revealed by fine, large-scale
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EMBO Rep. 2 (5), 388-393 (2001)
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Sugano Homo sapiens, mRNA sequence.
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/Clone_lib="Sugano Homo sapiens cDNA library"
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/note="Differential display comparison of untreated dimethylfumarate treated U937 cells"
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/db_xref="taxon:9606"
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         Email: ysuzuki@ims.u-tokyo.ac.jp
Suzuki,Y., Yoshitomo-Nakagawa,K., Maruyama,K., Suyama,A. and Sugano
,S. Construction and characterization of a full length-enriched and
a 5'-end-enriched cDNA library. Gene 200 (1-2), 149-156 (1997).
Location/Qualifiers
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Institute of Medical Science, University of Tokyo
4-6-1, Shirokanedai, Minatoku. Tokyo 108-8639, Japan
Email: ysuzuki@ims.u-tokyo.ac.jp
Suzuki,Y., Yoshitomo-Nakagawa,K., Maruyama,K., Suyama,A. and Sug.
S. Construction and characterization of a full length-enriched.
a.S. construction and characterization of a full length-enriched.
a.S. construction and characterization of a full length-enriched.
Location/Qualifiers
                                                                                                 Contact: Yutaka Suzuki
Department of Virology
Institute of Medical Science, University of Tokyo
4-6-1, Shirokanedai, Minatoku, Tokyo 108-8639, Jar
                                                                                                                                                                                   Diverse transcriptional initiation revealed by fine, large-scale mapping of mRNA start sites EMBO Rep. 2 (5), 388-393 (2001)
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Suzuki,Y., Taira,H., Tsunoda,T., Mizushima-Sugano,J.,
H., Ota,T., Isogai,T., Tanaka,T., Morishita,S., Okubo,Y., Nakamura,Y., Suyama,A. and Sugano,S.
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Mammalia; Eutheria; Primates; Catarrhini; Hominidae; Homo.
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/note="Differential display comparison of unt
dimethylfumarate treated U937 cells"
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/db_xref="taxon:9606"
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                                                                                                                                                                                                                                                                                                                                                                                                                     Department of Virology
Institute of Medical Science, University of Tokyo
4-6-1, Shirokanedal, Minatoku, Tokyo 108-8639, Japan
4-6-1, Shirokanedal, Minatoku, Tokyo 108-8639, Japan
Email: ysuzuki@ims.u-tokyo.ac.jp
Suzuki,Y., Yoshitomo-Nakagawa,K., Maruyama,K., Suyama,A. and Sugano,S. Construction and characterization of a full length-enriched and a 5'-end-enriched cDNA library. Gene 200 (1-2), 149-156 (1997).
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            Suzuki,Y., Taira,H., Tsunoda,T., Mizushima-Sugano,J., Sese,J., Hata,H., Ota,T., Isogai,T., Tanaka,T., Morishita,S., Okubo,K., Sakaki,Y., Nakamura,Y., Suyama,A. and Sugano,S.

Diverse transcriptional initiation revealed by fine, large-scale mapping of mRNA start sites
EMBO Rep. 2 (5), 388-393 (2001)
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/db_xref="taxon:966"
/clone="KlAA023"
/clone="Sugano Homo sapiens cDNA library"
/note="Differential display comparison of unti-
dimethylfumarate treated U937 cells"
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/note="Differential display comparison of untreated and
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National Institute of Radiological Sciences
9-1, Anagawa-4-chome, Inage-ku, Chiba, Chiba
Email: morimyo@nirs.go.jp
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fission yeast.
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National Institute of Radiological Sciences
9-1, Anagawa-4-chome, Inage-ku, Chiba, Chiba
                                                                                                                                                                                                 Unpublished (1998)
Contact: Mitsuoki Morimyo
                                                                                                                                                                                                                                                                                                                   Eukaryota; Fungi; Ascomycota; Schizosaccharomycetes; Schizosaccharomycetales; Schizosaccharomycetaceae;
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Schizosaccharomyces
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Morimyo,M. and Mita,K.
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Morimyo, M. and Mita, K.
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Schizosaccharomyces por
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             /db_xref="taxon:4896"
/clone="spc08150"
/clone_lib="Schizosaccharomyces
                                                                                                               Location/Qualifiers
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/clone="spc08150"
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Zea mays
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Location/Qualifiers
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               Tel: 650 723 2227
Fax: 650 725 8221
Email: walbot@stanford.edu
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 Stanford University
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    Department of Biological Sciences
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                                                                                                                                                                     /note="Organ: leaf; Vector: RescueMu (engineered from pBlueScript backbone); Site 1: BamHI; Site 2: BgIII; RescueMu is a 4.9 kb, modified maize Mu transposon designed to allow plasmid rescue from total genomic DNA. Mu elements insert preferentially into transcription units. For more information on RescueMu, go to the web site www.zmdb.iastate.edu and follow the links for 'RescueMu.' Grid I was grown at Berkeley in 2001. DNA was extracted from leaf punches, double digested using BamHI and BgIII, and ligated to form circular plasmids. DH10B.
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1 5 c 11 g 4 t 1 others
                                                                                                                                      cells were transformed ampicillin."
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/cultivar="mixed background W23/A188/B73"
/db_xref="taxon:4577"
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/tissue_type="leaf"
/dev_stage="adult"
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Pred. No. 1.2e+05;
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Pred. No. 1.1e+05;
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RescueMu Grid I Zea mays genomic,
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43 bp DNA linear GSS 29-SEP-20010005G03F Mouse 10kb plasmid UUGC1M library Mus musculus genomic clone UUGC1M0005G03 F, DNA sequence.
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AZ304932
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Very probable ligation site of ends cut by single endonuclease.
Reverse complemented post-ligation sequence from source sequenc
Plate: 1008065 column: 23
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                                                                                                                                                                                                                      Conservative
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/dev_stage="adult"
/lab_host="DH10B"
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/db_xref="taxon:4577"
/clone_lib="1008 - RescueMu Grid
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Pred. No. 1.2e+05;
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                                                                                                                 RESULT 28
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Insert Length: 1000 Std Error:
Plate: 0005 row: G column: 03
Seq primer: CGTTGTAAAACGACGGCCAGT
Class: plasmid ends
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                                                                                                                                                                                                                                                                           13;
AZ304932 43 bp DNA linear GSS 29-SEP-201
IM0005G03F Mouse 10kb plasmid UUGC1M library Mus musculus genomic
clone UUGC1M0005G03 F, DNA sequence.
AZ304932
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Fax: 801 585 7177
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Dunn,D., Aoyagi,A., Barber,M., Beacorn,T., Duval,B., Hamil,C., Islam,H., Longacre,S., Mahmoud,M., Meenen,E., Pedersen,T., Reilly,M., Rose,M., Rose,R., Stokes,R., Tingey,A., von Niederhausern,A. and Wright,D.,Weiss,R.
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               Laboratory Mouse DNA Resource
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 /organism="Mus musculus"
/strain="C57BL/6J"
/db_xref="taxon:10090"
/clone="UUGC1M0005G03"
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 /lab_host="E. Coli strain XL10-Gold, T1-resistant,
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/sex="Male"
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              ocation/Qualifiers
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ia; Rodentia; Sciurognathi; Muridae; Murinae; Mus
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Pred. No. 1.2e+05;
0; Mismatches 2;
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22
                                                                                      Similarity
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        Contact: Robert B.
University of Utah
University of Utah
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Dunn,D., Aoyagi,A., Barber,M., Beacorn,T., Duval,B., Hamil,C., Islam,H., Longacre,S., Mahmoud,M., Meenen,E., Pedersen,T., Reilly,M., Rose,M., Rose,R., Stokes,R., Tingey,A., von Niederhausern,A. and Wright,D. Weiss,R.
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Location/Qualifiers
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   Email: ddunn@genetics.utah.edu
Insert Length: 1000 Std Error:
Plate: 0005 row: G column: 03
Seg primer: CGTTGTAAAACGACGGCCAGT
Class: plasmid ends
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Mammalia; Eutheria; Rodentia; Sciurognathi; Muridae; Murinae; Mus
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801 585 7177
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                                                                                                                                                                                                     10.5 kb range using preparative agarose gel electrophoresis. Vector DNA was prepared from a derivative of pWD42 (gi|4732.14|gb|AF129072.1), a copy-number inducible derivative of plasmid R1. The vector was ligated with adaptors complementary to the insert adaptors and purified. The sheared, adaptored mouse DNA was annealed to adaptored vector DNA, and transformed into chemically-competent E. coli XL10-Gold (Stratagene) cells and selected for ampicillin resistance."
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                                                                                                                                                                                                                                                                                                                                                                                                                                  http://www.jax.org/resources/documents/dnares/). The DNA was hydrodynamically sheared by repeated passage through a 0.005 inch orifice at constant velocity. The sheared DNA was blunt end-repaired with T4 DNA polymerase and T4 polynucleotide kinase. Adaptor oligonucleotides were ligated to the blunt ends in high molar excess. The adaptored DNA was purified and size-selected for a 9.5 to
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     Laboratory Mouse DNA Resource
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      /lab_host="E. Coli strain XL10-Gold, T1-resistant, F-"
/note="Vector: PWD42nv; Purified genomic DNA from M.
musculus C57BL/6J (male) was obtained from the Jackson
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      /clone_lib="Mouse 10kb plasmid UUGC1M library"
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/db_xref="taxon:10090"
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Pred. No. 1.2e+05;
0; Mismatches 2;
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AI003871
48 bp mRNA linear EST 27-AUG-1998 ot46c06.sl Soares testis NHT Homo sapiens CDNA clone IMAGE:1619818 3' similar to gb:M35531 GALACTOSIDE 2-L-PUCOSYLTRANSFERASE (HUMAN ); contains MER14.b3 MER14 repetitive element ;, mRNA sequence.

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REFERENCE
AUTHORS
TITLE
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Best Local
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ot46c06.s1
3' similar
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1 (bases 1 to 48)
NCI-CGAP http://www.ncbi.nlm.nih.gov/ncicgap.
National Cancer Institute, Cancer Genome Anat
                                                   Eukaryota; Metazoa; Chordata;
Mammalia; Eutheria; Primates;
                                                                                     Homo sapiens
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AI003871.1
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DNA Sequencing by: Washington University Genome
Clone distribution: NCI-CCAP clone distribution
found through the I.M.A.G.E. Consortium/LLNL at:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              Contact: Robert Strausberg, Ph.D.
Email: cgapbs-r@mail.nih.gov
cDNA Library Preparation: M. Bento Soares, Ph.D.,
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National Cancer Institute, Cancer Genome Anat
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Mammalia; Eutheria;
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                                                                                                                                                                        11003871 48 bp mRNA linear EST 27-AUG-19.
bt46c06.sl Soares testis NHT Homo sapiens cDNA clone IMAGE:161981.
similar to gb:M35531 GALACTOSIDE 2-L-FUCOSYLTRANSFERASE (HUMAN contains MER14.b3 MER14 repetitive element; mRNA sequence.
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/clone_lib="Soares_testis_NHT"
/sex="male"
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/db_xref="taxon:9606"
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77.8%;
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Pred. No. 1.6e+05;
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                                                  Craniata; Vertebrata; Euteleostomi; Catarrhini; Hominidae; Homo.
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   Anatomy Project (CGAP),
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Department of Virology
Institute of Medical Science, University of Tokyo
1.nstitute of Medical Science, Tokyo 108-8639, Japan
4-6-1, Shirokanedai, Minatoku, Tokyo 108-8639, Japan
Email: ysuzuki@ims.u-tokyo.ac.jp
Suzuki,Y., Yoshitomo-Nakagawa,K., Maruyama,K., Suyama,A. and
Suzuki,Y., Yoshitomo-Nakagawa,K., Maruyama, Eull length-enrich
S. Construction and characterization of a full length-enrich
a 5'-end-enriched cDNA library. Gene 200 (1-2), 149-156 (1997)
                                                                                                                                                                   Suzuki,Y., Taira,H., Tsunoda,T., Mizushima-Sugano,J.,
H., Ota,T., Isogai,T., Tanaka,T., Morishita,S., Okubo,Y., Nakamura,Y., Suyama,A. and Sugano,S.
Diverse transcriptional initiation revealed by fine, Imapping of mRNA start sites
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AU107186 Sugano Homo sapiens
KAT09043, mRNA sequence.
AU107186
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          Email: cgapbs-r@mail.nih.gov cDNA Library Preparation: M.
                                                                                                                                  Contact: Yutaka Suzuki
                                                                                                                                                                                                                                                                                                                                                              human.
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/db_xref="taxon:9606"
/clone="IMAGE:1619818"
/clone_lib="Soares_testis_NHT"
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Pred. No. 1.6e+05;
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                                                                                                                                                                                                                                                                                                                                                                           Department of Virology
Institute of Medical Science, University of Tokyo
4-6-1, Shirokanedai, Minatoku, Tokyo 108-8639, Japan
Email: ysuzuki@insu-tokyo.ac.jp
Suzuki,Y., Yoshitomo-Nakagawa,K., Maruyama,K., Suyama,A. and Sugano
,S. Construction and characterization of a full length-enriched and
a 5'-end-enriched CDNA library. Gene 200 (1-2), 149-156 (1997).
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Suzuki,Y., Taira,H., Tsunoda,T., Mizushima-Sugano,J.,
H., Ota,T., Isogai,T., Tanaka,T., Morishita,S., Okubo,Y., Nakamura,Y., Suyama,A. and Sugano,S.
Diverse transcriptional initiation revealed by fine,
                                                                                                                                                                                       Similarity
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           Contact: Yutaka Suzuki
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/clone lib="Sugano Homo sapiens cDNA library"
/note="Differential display comparison of untreated
/note="Differential display comparison of untreated
dimethylfumarate treated U937 cells"
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/db xref="taxon:9606"
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/clone_lib="Sugano Homo sapiens cDNA library"
/note="Differential display comparison of untreated dimethylfumarate treated U937 cells"
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/db_xref="taxon:9606"
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AU013455 Schizosaccharomyc
Schizosaccharomyces pombe
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Eukaryota; Fungi; Ascomycota; Schizosaccharomycetes;
Schizosaccharomycetales; Schizosaccharomycetaceae;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          3 GAGACCGATATCG 15
                                                                                                           Email: morimyo@nirs.go.jp.
Location/Qualifiers
                                                                                                                                                                                                                    Contact: Mitsuoki Morimyo
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Location/Qualifiers
                                                                                                                                                                                                                                      Unpublished (1998)
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Schizosaccharomyces pombe late log phase cDNA
ccharomyces pombe cDNA clone spc08177, mRNA sequence.
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1 0 thers
/organism="Schizosaccharomyces pombe"
/strain="972"
/db_xref="taxon:4896"
/clone="spc08177"
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/clone="spc08177"
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l.8e+05;
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National Institute of Radiological Sciences
9-1, Anagawa-4-chome, Inage-ku, Chiba, Chiba
Email: morimyo@nirs.go.jp.
Location/Qualifiers
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AU013784 Schizosaccharomyces pon
Schizosaccharomyces pombe cDNA o
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                Unpublished (1998)
Contact: Mitsuoki Morimyo
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Morimyo, M. and Mita, K.
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6 c 12 g 4 t
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/note="Vector: M13mp19; The cDNA library of
                                                                                                                                                                                                                                                                                                          note="Vector: M13mp19; The cDNA library of
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/clone_lib="Schizosaccharomyces pombe late
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92.3%;
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Pred. No. 1.8e+05;
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Pred. No. 1.8e+05;
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Contact: Mitsuoki Morimyo
Genome Research Group
National Institute of Radiological Sciences
9-1, Anagawa-4-chome, Inage-ku, Chiba, Chiba 263-8555, Japan
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Morimyo,M. and Mita,K.
Identification of expressed
                                                                                                                                                                                                                 Unpublished (1998)
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Genome Research Group
National Institute of Radiological Sciences
9-1, Anagawa-4-chome, Inage-ku, Chiba, Chiba 263-8555, Japan
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Morimyo, M. and Mita, K.
Identification of expressed sequence tags of Schizosaccharomyces
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Schizosaccharomycetales; Schizosaccharomycetaceae;
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                                                                    morimyo@nirs.go.jp.
Location/Qualifiers
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Schizosaccharomyces por
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6 c 12 g 4 t
organism="Schizosaccharomyces pombe"
/strain="972"
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/clone="spc08658"
/clone_lib="Schizosaccharomyces pombe late log
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92.3%;
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ombe late log phase cDNA
clone spc08749, mRNA sec
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1.8e+05;
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National Institute of Radiological
9-1, Anagawa-4-chome, Inage-ku, Chi
Email: morimyo@nirs.go.jp.
Location/Qualifiers
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Contact: Mitsuoki Morimyo
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Morimyo, M. and Mita, K.
Identification of expressed
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Eukaryota; Fungi; Ascomycota; Schizosaccharomycetes;
Schizosaccharomycetales; Schizosaccharomycetaceae;
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/clone_lib="Schizosaccharomyces pombe late log
/sex="h minus"
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/clone="6pc08749"
/clone lib="Schizosaccharomyces pombe late log
/sex="f minus"
                                                                                                                                                                                                                                                                                                                                                                                                                                   strain="972"
                                                                                                                                                                                                                                                                                                                                                                                                                                                   organism="Schizosaccharomyces
                                                                                                                                                                        51.8%;
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Pred. No. 1.8e
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pombe late log phase cDNA
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Chiba, Chib
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L.8e+05;
les 1;
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 mRNA
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 linear
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Best Local :
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                                                                                     Contact: Kazuhiro Sato
Research Institute for Bioresources
Okayama University, Barley Germplasm Center
Chuo 2-20-1, Kurashiki, Okayama 710-0046, J.
                                                                                                                                                                                                                                                                                                                                                                                                                               AV833036 K. Sato unpublished cDNA library:
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12; Conserv
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Research Institute for Bioresources
Okayama University, Barley Germplasm Center
Chuo 2-20-1, Kurashiki, Okayama 710-0046, Japan
                                                    Email: kazsato@rib.okayama-u.ac.jp,
URL:http://www.rib.okayama-u.ac.jp/
                                                                                                                                                                                                                                                             Hordeum vulgare subsp. vulgare.
Hordeum vulgare subsp. vulgare.
Eukaryota, Viridiplantae, Streptophyta; Embryophyta;
Spermatophyta; Magnoliophyta; Liliopsida; Poales; Poa
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    Location/Qualifiers
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               Email: kazsato@rib.okayama-u.ac.jp,
URL:http://www.rib.okayama-u.ac.jp/barley/
Sato,K., Saisho,D., Takeda,K., Shini,T. an
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Hordeum vulgare subsp. vulgare
Eukaryota, Viridiplantae; Streptophyta; Embryophyta; Tracheophyta;
Spermatophyta; Magnoliophyta; Liliopsida; Poales; Poaceae; Pooideae
                                                                                                                                                                   Barley EST sequencing project in 
Unpublished (2001)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              Barley EST sequencing project in NIG and Unpublished (2001)
database:http://www.shigen.nig.ac.jp/barley/Barley.html.
                                      Sato, K.,
                                                                                                                                                                                                                                                                                                                                                            AV833036.1
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/clone="bags10c17"
/clone_lib="K. Sato unpublished cI vulgare subsp. vulgare shoots germ /tissue_type="shoots"
/dev_stage="germination"
a B C 8 g 11 t
                                   Saisho, D., Takeda, K.,
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92.3%;
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Pred. No. 1.8e
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                                     c.jp/barley/
Shini,T. and Kohara,Y. Direct
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